

Isett Avenue & Lake Park Boulevard - TMC

Tue Dec 8, 2020

Full Length (12 AM-12 AM (+1))

All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians, Bicycles on Crosswalk)

All Movements

ID: 804225, Location: 41.443694, -91.041877



Provided by: Shive-Hattery
222 Third Avenue SE, Suite 300, Cedar Rapids, IA, 52401, US

Leg Direction	Isett Avenue Southbound					Lake Park Boulevard Westbound					Isett Avenue Northbound					
Time	T	L	U	App	Ped*	R	L	U	App	Ped*	R	T	U	App	Ped*	Int
2020-12-08 12:00AM	2	0	0	2	0	0	5	0	5	0	1	1	0	2	0	9
12:15AM	2	0	0	2	0	1	2	0	3	0	2	3	0	5	0	10
12:30AM	5	0	0	5	0	0	2	0	2	0	3	1	0	4	0	11
12:45AM	0	0	0	0	0	0	0	0	0	0	1	3	0	4	0	4
Hourly Total	9	0	0	9	0	1	9	0	10	0	7	8	0	15	0	34
1:00AM	2	0	0	2	0	0	1	0	1	0	2	1	0	3	0	6
1:15AM	2	0	0	2	0	0	2	0	2	0	4	0	0	4	0	8
1:30AM	1	0	0	1	0	1	1	0	2	0	2	3	0	5	0	8
1:45AM	4	0	0	4	0	0	1	0	1	0	1	3	0	4	0	9
Hourly Total	9	0	0	9	0	1	5	0	6	0	9	7	0	16	0	31
2:00AM	1	0	0	1	0	0	0	0	0	0	1	0	0	1	0	2
2:15AM	2	0	0	2	0	0	0	0	0	0	3	0	0	3	0	5
2:30AM	2	0	0	2	0	0	1	0	1	0	0	2	0	2	0	5
2:45AM	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	2
Hourly Total	5	0	0	5	0	0	1	0	1	0	4	4	0	8	0	14
3:00AM	1	0	0	1	0	0	2	0	2	0	1	1	0	2	0	5
3:15AM	1	0	0	1	0	0	0	0	0	0	6	0	0	6	0	7
3:30AM	2	0	0	2	0	1	1	0	2	0	2	3	0	5	0	9
3:45AM	4	0	0	4	0	0	1	0	1	0	3	4	0	7	0	12
Hourly Total	8	0	0	8	0	1	4	0	5	0	12	8	0	20	0	33
4:00AM	2	0	0	2	0	0	0	0	0	1	4	5	0	9	0	11
4:15AM	4	0	0	4	0	0	0	0	0	0	3	7	0	10	0	14
4:30AM	10	0	0	10	0	0	3	0	3	0	2	7	0	9	0	22
4:45AM	10	1	0	11	0	0	0	0	0	0	7	14	0	21	0	32
Hourly Total	26	1	0	27	0	0	3	0	3	1	16	33	0	49	0	79
5:00AM	8	1	0	9	0	0	5	0	5	0	5	4	0	9	0	23
5:15AM	7	0	0	7	0	0	1	0	1	0	5	8	0	13	0	21
5:30AM	13	1	0	14	0	0	2	0	2	0	11	12	0	23	0	39
5:45AM	17	1	0	18	0	1	7	0	8	0	9	12	0	21	0	47
Hourly Total	45	3	0	48	0	1	15	0	16	0	30	36	0	66	0	130
6:00AM	9	0	0	9	0	0	4	0	4	0	10	19	0	29	0	42
6:15AM	5	0	0	5	0	0	7	0	7	0	7	19	0	26	0	38
6:30AM	15	1	0	16	0	0	9	0	9	0	16	20	0	36	0	61
6:45AM	28	2	0	30	0	2	5	0	7	0	17	16	0	33	0	70
Hourly Total	57	3	0	60	0	2	25	0	27	0	50	74	0	124	0	211
7:00AM	18	1	0	19	0	3	7	0	10	0	12	19	0	31	0	60
7:15AM	20	0	0	20	0	0	12	0	12	0	22	12	0	34	0	66
7:30AM	40	4	0	44	0	5	15	0	20	0	24	22	0	46	0	110
7:45AM	47	8	0	55	0	3	18	0	21	0	36	22	0	58	0	134
Hourly Total	125	13	0	138	0	11	52	0	63	0	94	75	0	169	0	370
8:00AM	29	3	0	32	0	0	21	0	21	0	38	29	0	67	0	120
8:15AM	24	0	0	24	0	0	22	0	22	0	35	16	0	51	0	97
8:30AM	15	1	0	16	0	1	12	0	13	0	26	15	0	41	0	70
8:45AM	21	2	0	23	0	2	4	0	6	0	21	19	0	40	0	69
Hourly Total	89	6	0	95	0	3	59	0	62	0	120	79	0	199	0	356
9:00AM	20	0	0	20	0	1	18	0	19	0	27	13	0	40	0	79
9:15AM	20	2	0	22	0	3	27	0	30	0	17	21	0	38	0	90
9:30AM	24	2	0	26	0	4	14	0	18	0	19	17	0	36	0	80
9:45AM	23	0	0	23	0	4	16	0	20	0	18	22	0	40	0	83
Hourly Total	87	4	0	91	0	12	75	0	87	0	81	73	0	154	0	332
10:00AM	17	4	0	21	0	6	16	0	22	0	19	23	0	42	0	85
10:15AM	25	0	0	25	0	3	23	0	26	0	27	26	0	53	0	104

Leg Direction	Isett Avenue Southbound					Lake Park Boulevard Westbound					Isett Avenue Northbound					
Time	T	L	U	App	Ped*	R	L	U	App	Ped*	R	T	U	App	Ped*	Int
10:30AM	21	4	0	25	0	3	20	0	23	1	35	18	0	53	0	101
10:45AM	19	0	0	19	0	0	29	0	29	0	28	19	0	47	0	95
Hourly Total	82	8	0	90	0	12	88	0	100	1	109	86	0	195	0	385
11:00AM	20	4	0	24	0	1	33	0	34	0	26	27	0	53	0	111
11:15AM	23	4	0	27	0	1	24	0	25	0	42	22	0	64	0	116
11:30AM	20	1	0	21	0	2	35	0	37	0	28	23	0	51	0	109
11:45AM	23	3	0	26	0	5	31	0	36	0	33	18	0	51	0	113
Hourly Total	86	12	0	98	0	9	123	0	132	0	129	90	0	219	0	449
12:00PM	17	0	0	17	0	6	42	0	48	0	41	28	0	69	0	134
12:15PM	26	3	0	29	0	1	27	0	28	0	25	25	0	50	0	107
12:30PM	22	3	0	25	0	4	32	0	36	0	25	17	0	42	0	103
12:45PM	19	3	0	22	0	2	20	0	22	0	38	14	0	52	0	96
Hourly Total	84	9	0	93	0	13	121	0	134	0	129	84	0	213	0	440
1:00PM	23	1	0	24	0	6	33	0	39	0	30	25	0	55	0	118
1:15PM	22	5	0	27	0	2	31	0	33	0	36	28	0	64	0	124
1:30PM	19	5	0	24	0	5	41	0	46	0	32	19	0	51	0	121
1:45PM	27	1	0	28	0	1	29	0	30	0	23	23	0	46	0	104
Hourly Total	91	12	0	103	0	14	134	0	148	0	121	95	0	216	0	467
2:00PM	26	1	0	27	0	3	29	0	32	0	42	21	0	63	0	122
2:15PM	29	4	0	33	0	2	32	0	34	0	36	29	0	65	0	132
2:30PM	34	1	0	35	0	0	26	0	26	0	32	19	0	51	0	112
2:45PM	31	3	0	34	0	1	46	0	47	0	37	20	0	57	0	138
Hourly Total	120	9	0	129	0	6	133	0	139	0	147	89	0	236	0	504
3:00PM	25	3	0	28	0	1	45	0	46	0	39	30	0	69	0	143
3:15PM	24	4	0	28	0	1	47	0	48	0	43	33	0	76	0	152
3:30PM	27	3	0	30	0	4	35	0	39	0	50	36	0	86	0	155
3:45PM	34	3	0	37	0	4	54	0	58	0	48	25	0	73	0	168
Hourly Total	110	13	0	123	0	10	181	0	191	0	180	124	0	304	0	618
4:00PM	31	1	0	32	0	6	61	0	67	0	51	31	0	82	0	181
4:15PM	32	5	0	37	0	5	50	0	55	0	47	28	0	75	0	167
4:30PM	33	2	0	35	0	5	39	0	44	0	40	29	0	69	0	148
4:45PM	26	1	0	27	0	2	36	0	38	0	43	27	0	70	0	135
Hourly Total	122	9	0	131	0	18	186	0	204	0	181	115	0	296	0	631
5:00PM	29	3	0	32	0	5	57	0	62	0	42	33	0	75	0	169
5:15PM	19	2	0	21	0	4	53	0	57	0	33	27	0	60	0	138
5:30PM	26	4	0	30	0	2	43	0	45	0	33	20	0	53	0	128
5:45PM	33	4	0	37	0	4	35	0	39	0	34	25	0	59	0	135
Hourly Total	107	13	0	120	0	15	188	0	203	0	142	105	0	247	0	570
6:00PM	21	1	0	22	0	0	33	0	33	0	29	26	0	55	0	110
6:15PM	16	2	0	18	0	1	28	0	29	0	21	21	0	42	0	89
6:30PM	17	0	0	17	0	0	27	0	27	0	23	15	0	38	0	82
6:45PM	19	1	0	20	0	3	23	0	26	0	21	14	0	35	0	81
Hourly Total	73	4	0	77	0	4	111	0	115	0	94	76	0	170	0	362
7:00PM	18	1	0	19	0	2	24	0	26	0	24	10	0	34	0	79
7:15PM	18	0	0	18	0	0	24	0	24	0	18	9	0	27	0	69
7:30PM	13	3	0	16	0	3	23	0	26	0	12	18	0	30	0	72
7:45PM	13	0	0	13	0	1	13	0	14	0	16	11	0	27	0	54
Hourly Total	62	4	0	66	0	6	84	0	90	0	70	48	0	118	0	274
8:00PM	11	0	0	11	0	0	21	0	21	0	7	11	0	18	0	50
8:15PM	10	0	0	10	0	3	11	0	14	0	7	9	0	16	0	40
8:30PM	6	1	0	7	0	2	11	0	13	0	6	7	0	13	0	33
8:45PM	7	1	0	8	0	0	5	0	5	0	12	7	0	19	0	32
Hourly Total	34	2	0	36	0	5	48	0	53	0	32	34	0	66	0	155
9:00PM	9	0	0	9	0	0	12	0	12	0	5	13	0	18	0	39
9:15PM	9	0	0	9	0	0	14	0	14	0	6	7	0	13	0	36
9:30PM	8	1	0	9	0	0	7	0	7	0	7	8	0	15	0	31
9:45PM	7	0	0	7	0	3	6	0	9	0	4	5	0	9	0	25
Hourly Total	33	1	0	34	0	3	39	0	42	0	22	33	0	55	0	131
10:00PM	2	0	0	2	0	0	10	0	10	0	6	6	0	12	0	24
10:15PM	3	1	0	4	0	1	9	0	10	0	4	4	0	8	0	22

Leg Direction	Isett Avenue Southbound					Lake Park Boulevard Westbound					Isett Avenue Northbound					
Time	T	L	U	App	Ped*	R	L	U	App	Ped*	R	T	U	App	Ped*	Int
10:30PM	5	0	0	5	0	0	4	0	4	0	7	7	0	14	0	23
10:45PM	8	0	0	8	0	0	3	0	3	0	4	2	0	6	0	17
Hourly Total	18	1	0	19	0	1	26	0	27	0	21	19	0	40	0	86
11:00PM	3	0	0	3	0	0	4	0	4	0	2	4	0	6	0	13
11:15PM	3	0	0	3	0	0	3	0	3	0	2	4	0	6	0	12
11:30PM	4	0	0	4	0	0	3	0	3	0	1	3	0	4	0	11
11:45PM	1	0	0	1	0	0	4	0	4	0	2	2	0	4	0	9
Hourly Total	11	0	0	11	0	0	14	0	14	0	7	13	0	20	0	45
Total	1493	127	0	1620	0	148	1724	0	1872	2	1807	1408	0	3215	0	6707
% Approach	92.2%	7.8%	0%	-	-	7.9%	92.1%	0%	-	-	56.2%	43.8%	0%	-	-	-
% Total	22.3%	1.9%	0%	24.2%	-	2.2%	25.7%	0%	27.9%	-	26.9%	21.0%	0%	47.9%	-	-
Lights	1319	123	0	1442	-	143	1687	0	1830	-	1791	1218	0	3009	-	6281
% Lights	88.3%	96.9%	0%	89.0%	-	96.6%	97.9%	0%	97.8%	-	99.1%	86.5%	0%	93.6%	-	93.6%
Articulated Trucks	135	2	0	137	-	1	2	0	3	-	0	143	0	143	-	283
% Articulated Trucks	9.0%	1.6%	0%	8.5%	-	0.7%	0.1%	0%	0.2%	-	0%	10.2%	0%	4.4%	-	4.2%
Buses and Single-Unit Trucks	39	2	0	41	-	4	35	0	39	-	16	47	0	63	-	143
% Buses and Single-Unit Trucks	2.6%	1.6%	0%	2.5%	-	2.7%	2.0%	0%	2.1%	-	0.9%	3.3%	0%	2.0%	-	2.1%
Pedestrians	-	-	-	-	0	-	-	-	-	2	-	-	-	-	0	
% Pedestrians	-	-	-	-	-	-	-	-	-	100%	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	0%	-	-	-	-	-	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

Isett Avenue & Lake Park Boulevard - TMC

Tue Dec 8, 2020

Full Length (12 AM-12 AM (+1))

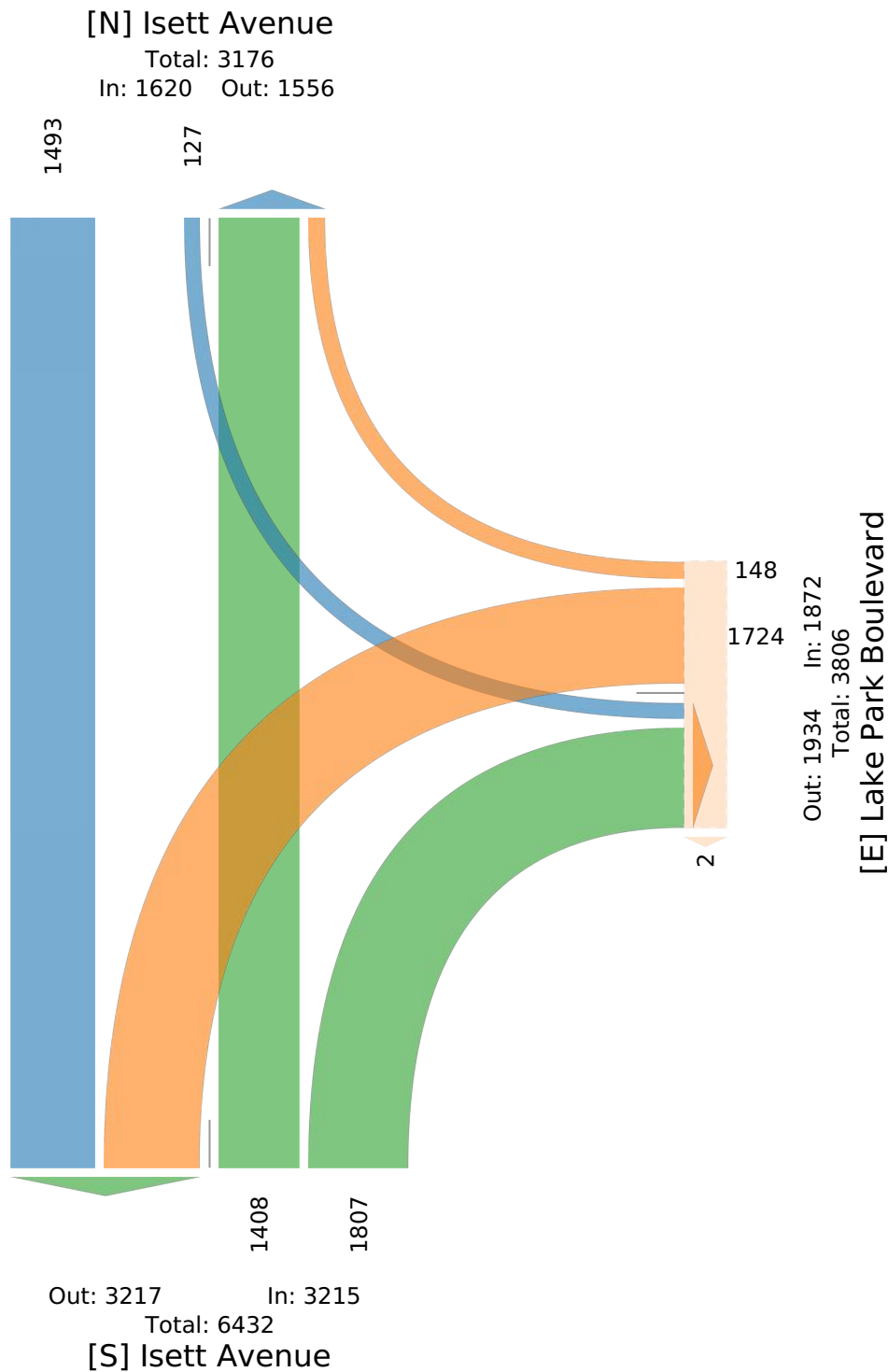
All Classes (Lights, Articulated Trucks, Buses and
Single-Unit Trucks, Pedestrians, Bicycles on Crosswalk)

All Movements

ID: 804225, Location: 41.443694, -91.041877

Provided by: Shive-Hattery

222 Third Avenue SE, Suite 300, Cedar Rapids, IA, 52401, US



Isett Avenue & Lake Park Boulevard - TMC

Tue Dec 8, 2020

AM Peak (7:30 AM - 8:30 AM)

All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians, Bicycles on Crosswalk)

All Movements

ID: 804225, Location: 41.443694, -91.041877



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222 Third Avenue SE, Suite 300, Cedar Rapids, IA, 52401, US

Leg Direction	Isett Avenue Southbound					Lake Park Boulevard Westbound					Isett Avenue Northbound					
Time	T	L	U	App	Ped*	R	L	U	App	Ped*	R	T	U	App	Ped*	Int
2020-12-08 7:30AM	40	4	0	44	0	5	15	0	20	0	24	22	0	46	0	110
7:45AM	47	8	0	55	0	3	18	0	21	0	36	22	0	58	0	134
8:00AM	29	3	0	32	0	0	21	0	21	0	38	29	0	67	0	120
8:15AM	24	0	0	24	0	0	22	0	22	0	35	16	0	51	0	97
Total	140	15	0	155	0	8	76	0	84	0	133	89	0	222	0	461
% Approach	90.3%	9.7%	0%	-	-	9.5%	90.5%	0%	-	-	59.9%	40.1%	0%	-	-	-
% Total	30.4%	3.3%	0%	33.6%	-	1.7%	16.5%	0%	18.2%	-	28.9%	19.3%	0%	48.2%	-	-
PHF	0.745	0.469	-	0.705	-	0.400	0.864	-	0.955	-	0.875	0.767	-	0.828	-	0.860
Lights	124	15	0	139	-	5	70	0	75	-	131	77	0	208	-	422
% Lights	88.6%	100%	0%	89.7%	-	62.5%	92.1%	0%	89.3%	-	98.5%	86.5%	0%	93.7%	-	91.5%
Articulated Trucks	11	0	0	11	-	0	2	0	2	-	0	6	0	6	-	19
% Articulated Trucks	7.9%	0%	0%	7.1%	-	0%	2.6%	0%	2.4%	-	0%	6.7%	0%	2.7%	-	4.1%
Buses and Single-Unit Trucks	5	0	0	5	-	3	4	0	7	-	2	6	0	8	-	20
% Buses and Single-Unit Trucks	3.6%	0%	0%	3.2%	-	37.5%	5.3%	0%	8.3%	-	1.5%	6.7%	0%	3.6%	-	4.3%
Pedestrians	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

Isett Avenue & Lake Park Boulevard - TMC

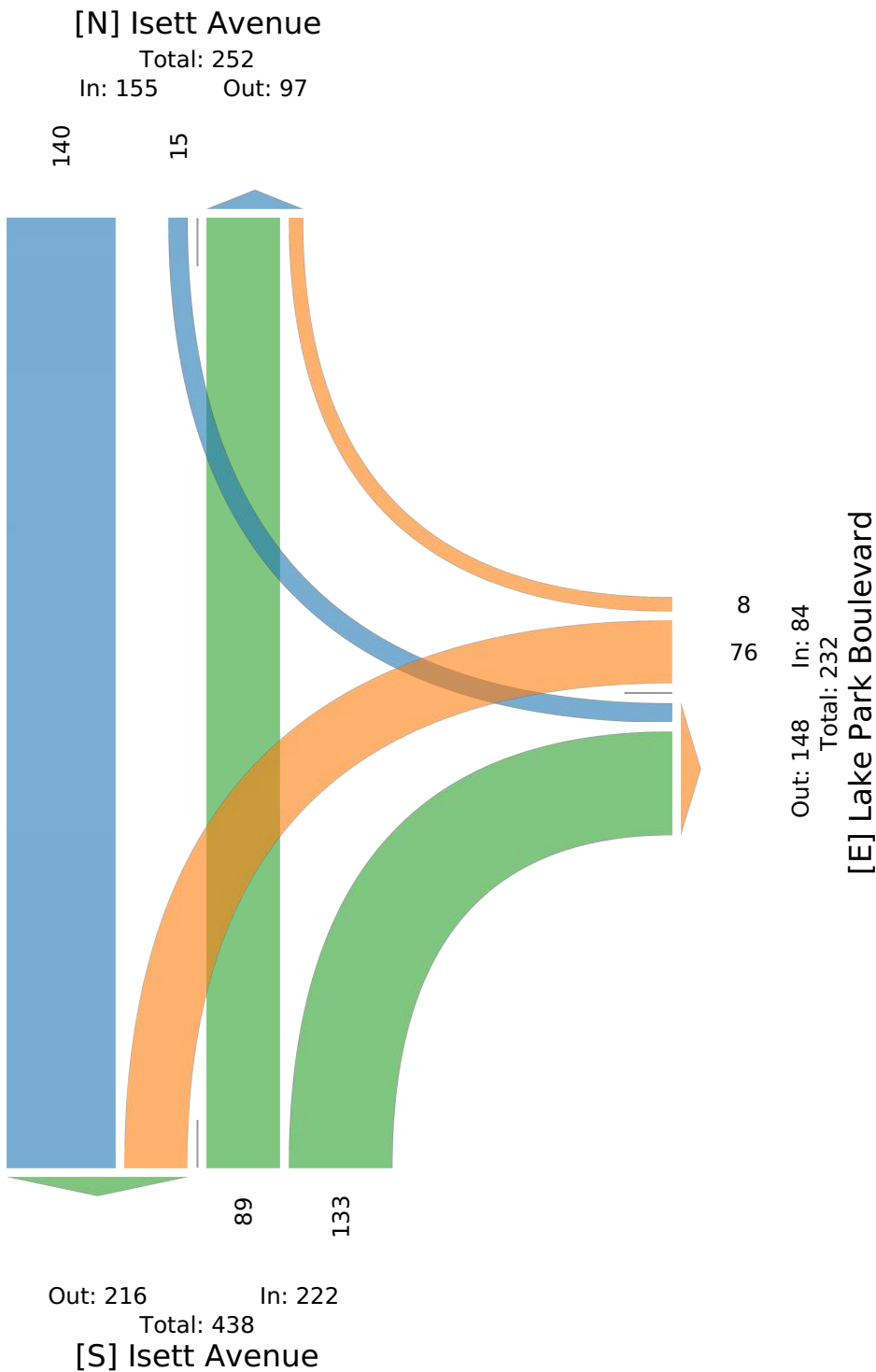
Tue Dec 8, 2020

AM Peak (7:30 AM - 8:30 AM)

All Classes (Lights, Articulated Trucks, Buses and
Single-Unit Trucks, Pedestrians, Bicycles on Crosswalk)

All Movements

ID: 804225, Location: 41.443694, -91.041877



Isett Avenue & Lake Park Boulevard - TMC

Tue Dec 8, 2020

Midday Peak (11:15 AM - 12:15 PM)

All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians, Bicycles on Crosswalk)

All Movements

ID: 804225, Location: 41.443694, -91.041877



Provided by: Shive-Hattery

222 Third Avenue SE, Suite 300, Cedar Rapids, IA, 52401, US

Leg Direction	Isett Avenue Southbound					Lake Park Boulevard Westbound					Isett Avenue Northbound					
Time	T	L	U	App	Ped*	R	L	U	App	Ped*	R	T	U	App	Ped*	Int
2020-12-08 11:15AM	23	4	0	27	0	1	24	0	25	0	42	22	0	64	0	116
11:30AM	20	1	0	21	0	2	35	0	37	0	28	23	0	51	0	109
11:45AM	23	3	0	26	0	5	31	0	36	0	33	18	0	51	0	113
12:00PM	17	0	0	17	0	6	42	0	48	0	41	28	0	69	0	134
Total	83	8	0	91	0	14	132	0	146	0	144	91	0	235	0	472
% Approach	91.2%	8.8%	0%	-	-	9.6%	90.4%	0%	-	-	61.3%	38.7%	0%	-	-	-
% Total	17.6%	1.7%	0%	19.3%	-	3.0%	28.0%	0%	30.9%	-	30.5%	19.3%	0%	49.8%	-	-
PHF	0.902	0.500	-	0.843	-	0.583	0.786	-	0.760	-	0.857	0.813	-	0.851	-	0.881
Lights	72	8	0	80	-	14	128	0	142	-	141	74	0	215	-	437
% Lights	86.7%	100%	0%	87.9%	-	100%	97.0%	0%	97.3%	-	97.9%	81.3%	0%	91.5%	-	92.6%
Articulated Trucks	8	0	0	8	-	0	0	0	0	-	0	12	0	12	-	20
% Articulated Trucks	9.6%	0%	0%	8.8%	-	0%	0%	0%	0%	-	0%	13.2%	0%	5.1%	-	4.2%
Buses and Single-Unit Trucks	3	0	0	3	-	0	4	0	4	-	3	5	0	8	-	15
% Buses and Single-Unit Trucks	3.6%	0%	0%	3.3%	-	0%	3.0%	0%	2.7%	-	2.1%	5.5%	0%	3.4%	-	3.2%
Pedestrians	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

Isett Avenue & Lake Park Boulevard - TMC

Tue Dec 8, 2020

Midday Peak (11:15 AM - 12:15 PM)

All Classes (Lights, Articulated Trucks, Buses and
Single-Unit Trucks, Pedestrians, Bicycles on Crosswalk)

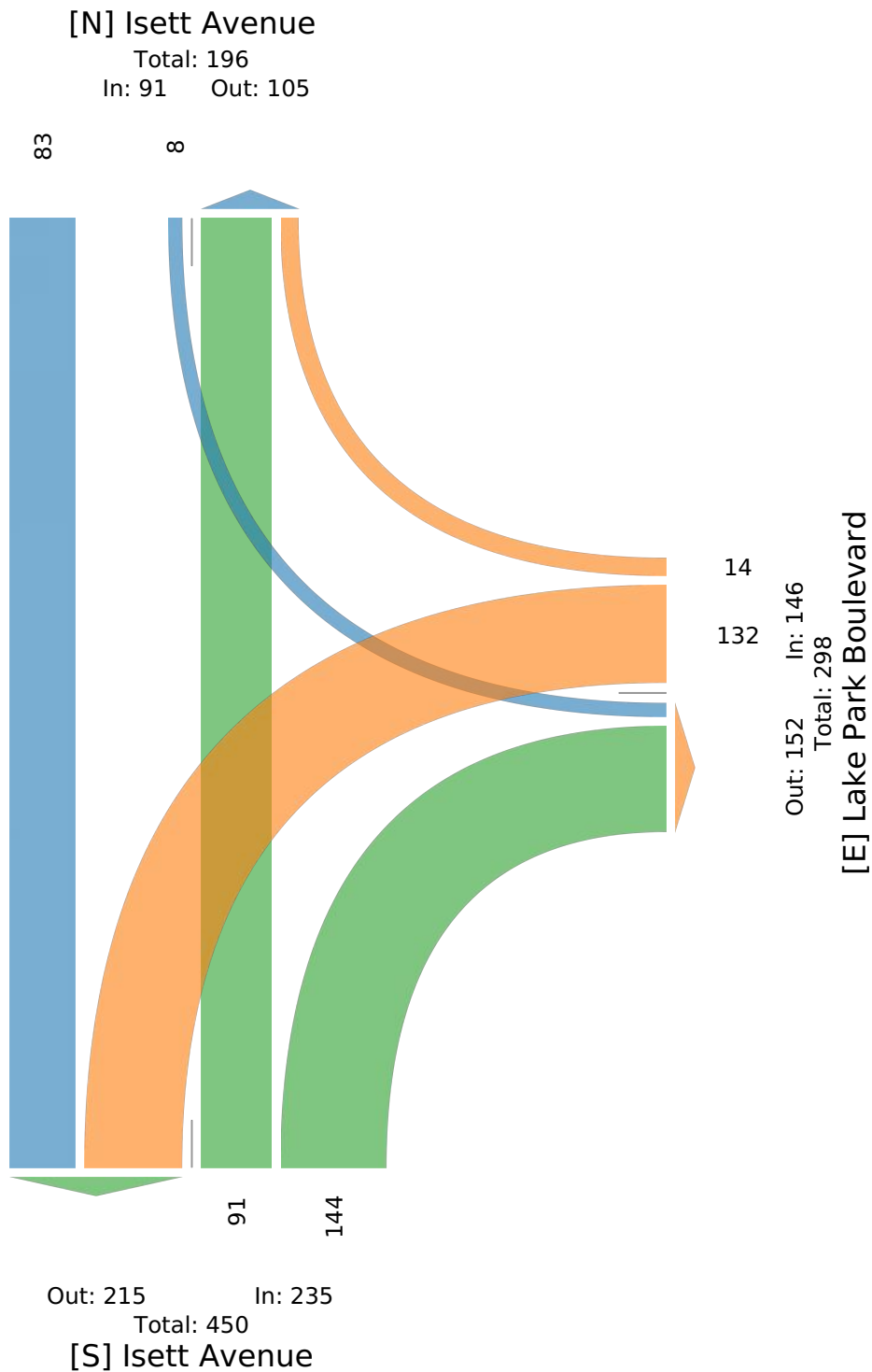
All Movements

ID: 804225, Location: 41.443694, -91.041877

SHIVEHATTERY
ARCHITECTURE + ENGINEERING

Provided by: Shive-Hattery

222 Third Avenue SE, Suite 300, Cedar Rapids, IA, 52401, US



Isett Avenue & Lake Park Boulevard - TMC

Tue Dec 8, 2020

PM Peak (3:30 PM - 4:30 PM) - Overall Peak Hour

All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians, Bicycles on Crosswalk)

All Movements

ID: 804225, Location: 41.443694, -91.041877



Provided by: Shive-Hattery

222 Third Avenue SE, Suite 300, Cedar Rapids, IA, 52401, US

Leg Direction	Isett Avenue Southbound					Lake Park Boulevard Westbound					Isett Avenue Northbound					
Time	T	L	U	App	Ped*	R	L	U	App	Ped*	R	T	U	App	Ped*	Int
2020-12-08 3:30PM	27	3	0	30	0	4	35	0	39	0	50	36	0	86	0	155
3:45PM	34	3	0	37	0	4	54	0	58	0	48	25	0	73	0	168
4:00PM	31	1	0	32	0	6	61	0	67	0	51	31	0	82	0	181
4:15PM	32	5	0	37	0	5	50	0	55	0	47	28	0	75	0	167
Total	124	12	0	136	0	19	200	0	219	0	196	120	0	316	0	671
% Approach	91.2%	8.8%	0%	-	-	8.7%	91.3%	0%	-	-	62.0%	38.0%	0%	-	-	-
% Total	18.5%	1.8%	0%	20.3%	-	2.8%	29.8%	0%	32.6%	-	29.2%	17.9%	0%	47.1%	-	-
PHF	0.912	0.600	-	0.919	-	0.792	0.820	-	0.817	-	0.961	0.833	-	0.919	-	0.927
Lights	115	11	0	126	-	18	197	0	215	-	194	105	0	299	-	640
% Lights	92.7%	91.7%	0%	92.6%	-	94.7%	98.5%	0%	98.2%	-	99.0%	87.5%	0%	94.6%	-	95.4%
Articulated Trucks	9	0	0	9	-	0	0	0	0	-	0	8	0	8	-	17
% Articulated Trucks	7.3%	0%	0%	6.6%	-	0%	0%	0%	0%	-	0%	6.7%	0%	2.5%	-	2.5%
Buses and Single-Unit Trucks	0	1	0	1	-	1	3	0	4	-	2	7	0	9	-	14
% Buses and Single-Unit Trucks	0%	8.3%	0%	0.7%	-	5.3%	1.5%	0%	1.8%	-	1.0%	5.8%	0%	2.8%	-	2.1%
Pedestrians	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

Isett Avenue & Lake Park Boulevard - TMC

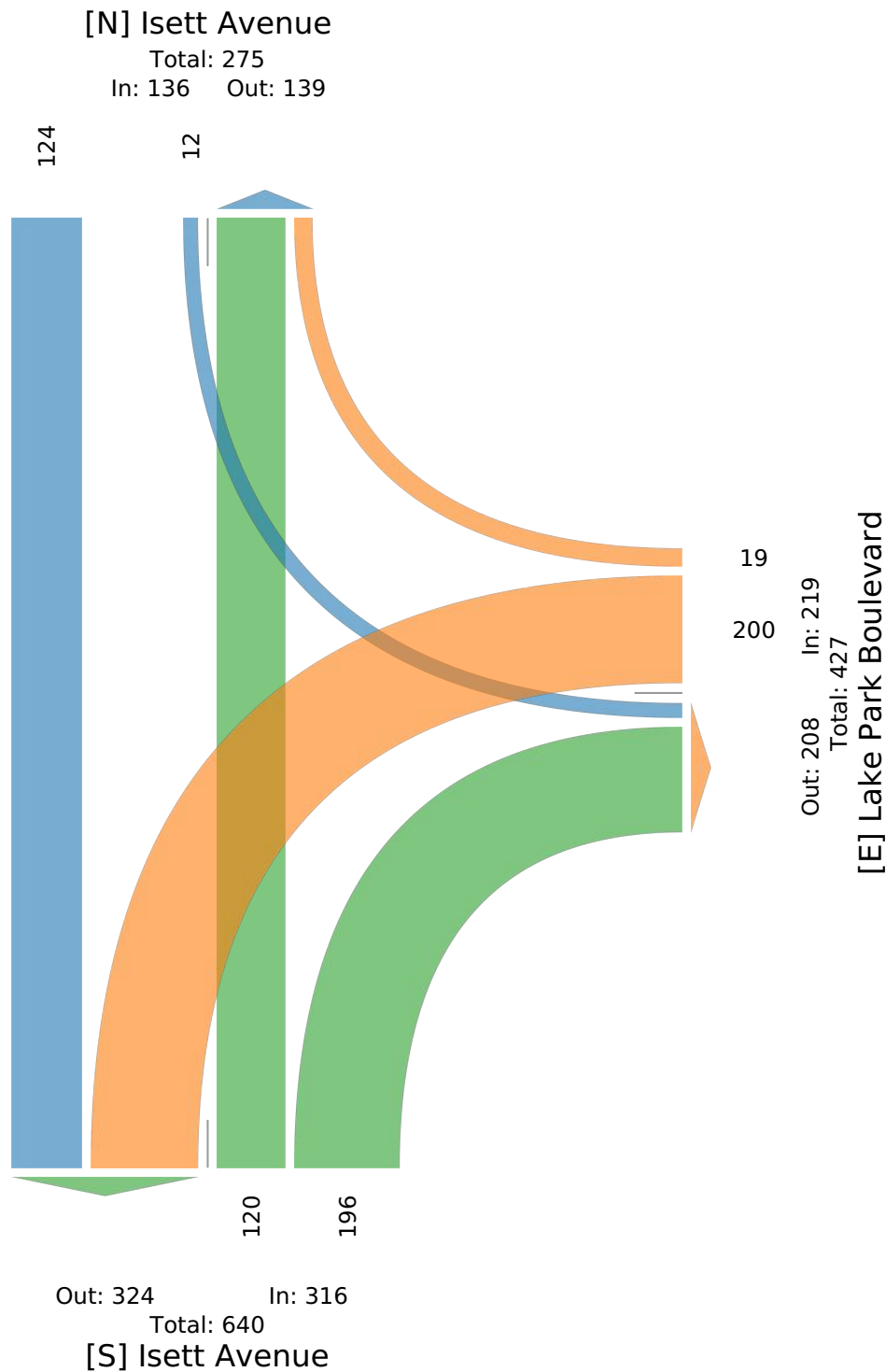
Tue Dec 8, 2020

PM Peak (3:30 PM - 4:30 PM) - Overall Peak Hour

All Classes (Lights, Articulated Trucks, Buses and
Single-Unit Trucks, Pedestrians, Bicycles on Crosswalk)

All Movements

ID: 804225, Location: 41.443694, -91.041877



Isett Avenue & Clay Street - TMC

Tue Dec 8, 2020

Full Length (12 AM-12 AM (+1))

All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians, Bicycles on Crosswalk)

All Movements

ID: 804224, Location: 41.44096, -91.042421



Provided by: Shive-Hattery
222 Third Avenue SE, Suite 300, Cedar Rapids, IA, 52401, US

Leg Direction	Isett Avenue Southwestbound					Clay Street Westbound					Isett Avenue Northeastbound					
Time	T	HL	U	App	Ped*	HR	BL	U	App	Ped*	BR	T	U	App	Ped*	Int
2020-12-08 12:00AM	6	1	0	7	0	0	0	0	0	0	2	2	0	4	0	11
12:15AM	3	1	0	4	0	2	2	0	4	0	1	3	0	4	0	12
12:30AM	5	2	0	7	0	0	3	0	3	0	0	5	0	5	0	15
12:45AM	0	0	0	0	0	0	2	0	2	0	2	3	0	5	0	7
Hourly Total	14	4	0	18	0	2	7	0	9	0	5	13	0	18	0	45
1:00AM	3	0	0	3	0	0	5	0	5	0	2	3	0	5	0	13
1:15AM	4	0	0	4	0	0	1	0	1	0	0	4	0	4	0	9
1:30AM	2	0	0	2	0	1	0	0	1	0	2	4	0	6	0	9
1:45AM	5	0	0	5	0	1	1	0	2	0	0	3	0	3	0	10
Hourly Total	14	0	0	14	0	2	7	0	9	0	4	14	0	18	0	41
2:00AM	1	0	0	1	0	0	2	0	2	0	0	1	0	1	0	4
2:15AM	1	1	0	2	0	0	1	0	1	0	0	4	0	4	0	7
2:30AM	3	0	0	3	0	0	0	0	0	0	2	1	0	3	0	6
2:45AM	0	0	0	0	0	0	2	0	2	0	2	2	0	4	0	6
Hourly Total	5	1	0	6	0	0	5	0	5	0	4	8	0	12	0	23
3:00AM	3	0	0	3	0	0	1	0	1	0	2	2	0	4	0	8
3:15AM	1	0	0	1	0	0	1	0	1	0	2	6	0	8	0	10
3:30AM	3	0	0	3	0	0	1	0	1	0	3	5	0	8	0	12
3:45AM	4	1	0	5	0	0	1	0	1	0	4	7	0	11	0	17
Hourly Total	11	1	0	12	0	0	4	0	4	0	11	20	0	31	0	47
4:00AM	1	0	0	1	0	1	0	0	1	1	3	8	0	11	0	13
4:15AM	3	0	0	3	0	0	2	0	2	0	7	13	0	20	0	25
4:30AM	11	1	0	12	0	0	6	0	6	0	9	6	0	15	0	33
4:45AM	8	1	0	9	0	3	6	0	9	0	6	17	0	23	0	41
Hourly Total	23	2	0	25	0	4	14	0	18	1	25	44	0	69	0	112
5:00AM	11	0	0	11	0	1	6	0	7	0	1	9	0	10	0	28
5:15AM	11	0	0	11	0	1	6	0	7	0	5	15	0	20	0	38
5:30AM	14	0	0	14	0	2	7	0	9	0	7	24	0	31	0	54
5:45AM	21	1	0	22	0	3	12	0	15	0	7	17	0	24	0	61
Hourly Total	57	1	0	58	0	7	31	0	38	0	20	65	0	85	0	181
6:00AM	10	3	0	13	0	4	5	0	9	0	11	23	0	34	0	56
6:15AM	13	0	0	13	0	1	4	0	5	0	13	25	0	38	0	56
6:30AM	17	4	0	21	0	7	7	0	14	0	9	29	0	38	0	73
6:45AM	30	7	0	37	0	3	8	0	11	0	17	28	0	45	0	93
Hourly Total	70	14	0	84	0	15	24	0	39	0	50	105	0	155	0	278
7:00AM	22	3	0	25	0	4	12	0	16	0	11	31	0	42	0	83
7:15AM	25	3	0	28	0	6	14	0	20	0	26	28	0	54	0	102
7:30AM	50	6	0	56	0	6	32	0	38	0	31	41	0	72	0	166
7:45AM	58	8	0	66	0	10	61	0	71	0	54	46	0	100	0	237
Hourly Total	155	20	0	175	0	26	119	0	145	0	122	146	0	268	0	588
8:00AM	42	6	0	48	0	6	40	0	46	0	55	64	0	119	0	213
8:15AM	41	6	0	47	0	5	23	0	28	0	31	43	0	74	0	149
8:30AM	21	4	0	25	0	2	18	0	20	0	26	41	0	67	0	112
8:45AM	20	5	0	25	0	3	19	0	22	0	23	36	0	59	0	106
Hourly Total	124	21	0	145	0	16	100	0	116	0	135	184	0	319	0	580
9:00AM	34	3	0	37	0	4	24	0	28	0	21	37	0	58	0	123
9:15AM	42	2	0	44	0	2	12	0	14	0	17	34	0	51	0	109
9:30AM	35	5	0	40	0	3	20	0	23	0	18	32	0	50	0	113
9:45AM	38	1	0	39	0	2	17	0	19	0	39	41	0	80	0	138
Hourly Total	149	11	0	160	0	11	73	0	84	0	95	144	0	239	0	483
10:00AM	31	2	0	33	0	6	23	0	29	0	25	36	0	61	0	123
10:15AM	46	0	0	46	0	4	17	0	21	0	22	46	0	68	0	135

Leg Direction	Isett Avenue Southwestbound					Clay Street Westbound					Isett Avenue Northeastbound					
Time	T	HL	U	App	Ped*	HR	BL	U	App	Ped*	BR	T	U	App	Ped*	Int
10:30AM	38	2	0	40	0	3	24	0	27	1	29	50	0	79	0	146
10:45AM	41	2	0	43	0	6	33	0	39	0	31	41	0	72	0	154
Hourly Total	156	6	0	162	0	19	97	0	116	1	107	173	0	280	0	558
11:00AM	49	4	0	53	0	5	33	0	38	0	41	46	0	87	0	178
11:15AM	44	6	0	50	0	4	19	0	23	0	31	59	0	90	0	163
11:30AM	44	6	0	50	0	6	40	0	46	1	30	44	0	74	0	170
11:45AM	54	5	0	59	0	3	26	0	29	0	32	47	0	79	1	167
Hourly Total	191	21	0	212	0	18	118	0	136	1	134	196	0	330	1	678
12:00PM	54	3	0	57	0	6	42	0	48	0	41	60	0	101	0	206
12:15PM	49	4	0	53	0	6	29	0	35	0	35	47	0	82	0	170
12:30PM	52	2	0	54	0	3	44	0	47	0	30	41	0	71	0	172
12:45PM	34	5	0	39	0	2	37	0	39	0	44	46	0	90	0	168
Hourly Total	189	14	0	203	0	17	152	0	169	0	150	194	0	344	0	716
1:00PM	46	4	0	50	0	10	38	0	48	0	21	43	0	64	0	162
1:15PM	55	2	1	58	0	9	37	0	46	0	38	54	0	92	0	196
1:30PM	50	6	0	56	0	3	36	0	39	0	41	48	0	89	0	184
1:45PM	51	4	0	55	0	3	29	0	32	0	35	40	0	75	0	162
Hourly Total	202	16	1	219	0	25	140	0	165	0	135	185	0	320	0	704
2:00PM	49	5	0	54	0	4	33	0	37	0	47	60	0	107	0	198
2:15PM	58	3	0	61	0	6	56	0	62	0	48	62	0	110	0	233
2:30PM	55	1	0	56	0	9	62	0	71	0	29	43	0	72	0	199
2:45PM	79	4	0	83	0	6	33	0	39	0	36	51	0	87	0	209
Hourly Total	241	13	0	254	0	25	184	0	209	0	160	216	0	376	0	839
3:00PM	65	8	0	73	0	5	49	0	54	0	41	63	0	104	0	231
3:15PM	68	5	0	73	0	5	49	0	54	0	51	74	0	125	0	252
3:30PM	58	3	0	61	0	7	46	0	53	0	57	75	0	132	0	246
3:45PM	87	7	0	94	0	4	58	0	62	0	40	72	0	112	0	268
Hourly Total	278	23	0	301	0	21	202	0	223	0	189	284	0	473	0	997
4:00PM	87	8	0	95	0	7	41	0	48	0	46	73	0	119	0	262
4:15PM	73	8	0	81	0	3	46	0	49	0	34	70	0	104	0	234
4:30PM	61	11	0	72	0	5	34	0	39	0	38	61	0	99	0	210
4:45PM	55	7	0	62	0	4	35	0	39	0	41	63	0	104	0	205
Hourly Total	276	34	0	310	0	19	156	0	175	0	159	267	0	426	0	911
5:00PM	78	6	0	84	0	4	64	0	68	0	36	73	0	109	0	261
5:15PM	72	4	0	76	0	4	46	0	50	0	38	57	0	95	0	221
5:30PM	65	2	0	67	0	4	37	0	41	0	30	46	0	76	0	184
5:45PM	64	2	0	66	0	4	26	0	30	0	32	55	0	87	0	183
Hourly Total	279	14	0	293	0	16	173	0	189	0	136	231	0	367	0	849
6:00PM	52	3	0	55	0	1	32	0	33	0	31	56	0	87	0	175
6:15PM	43	2	0	45	0	1	31	0	32	0	25	39	0	64	0	141
6:30PM	40	1	0	41	0	1	13	0	14	0	21	38	0	59	0	114
6:45PM	40	3	0	43	0	0	30	0	30	0	11	34	0	45	0	118
Hourly Total	175	9	0	184	0	3	106	0	109	0	88	167	0	255	0	548
7:00PM	43	1	0	44	0	0	20	0	20	0	18	33	0	51	1	115
7:15PM	41	0	0	41	0	1	18	0	19	0	18	26	0	44	1	104
7:30PM	34	1	0	35	0	0	22	0	22	0	15	29	0	44	0	101
7:45PM	26	1	0	27	0	1	13	0	14	0	18	28	0	46	1	87
Hourly Total	144	3	0	147	0	2	73	0	75	0	69	116	0	185	3	407
8:00PM	26	4	0	30	0	0	12	0	12	0	11	18	0	29	0	71
8:15PM	21	0	0	21	0	0	17	0	17	0	13	15	1	29	0	67
8:30PM	18	0	0	18	0	1	9	0	10	0	15	13	0	28	0	56
8:45PM	12	0	0	12	0	0	11	0	11	0	11	21	0	32	0	55
Hourly Total	77	4	0	81	0	1	49	0	50	0	50	67	1	118	0	249
9:00PM	20	0	0	20	0	1	15	0	16	0	9	16	0	25	0	61
9:15PM	24	0	0	24	0	0	9	0	9	0	6	15	0	21	0	54
9:30PM	12	3	0	15	0	2	13	0	15	0	10	12	0	22	0	52
9:45PM	14	1	0	15	0	2	10	0	12	0	3	8	0	11	0	38
Hourly Total	70	4	0	74	0	5	47	0	52	0	28	51	0	79	0	205
10:00PM	12	0	0	12	0	0	9	0	9	0	2	11	0	13	0	34
10:15PM	11	0	0	11	0	0	6	0	6	0	6	10	0	16	0	33

Leg Direction	Isett Avenue Southwestbound					Clay Street Westbound					Isett Avenue Northeastbound					
Time	T	HL	U	App	Ped*	HR	BL	U	App	Ped*	BR	T	U	App	Ped*	Int
10:30PM	10	0	0	10	0	3	7	0	10	0	4	11	0	15	0	35
10:45PM	10	0	0	10	0	0	4	0	4	0	3	5	0	8	0	22
Hourly Total	43	0	0	43	0	3	26	0	29	0	15	37	0	52	0	124
11:00PM	7	0	0	7	0	0	4	0	4	0	5	6	0	11	0	22
11:15PM	6	2	0	8	0	0	6	0	6	0	4	7	0	11	0	25
11:30PM	7	0	0	7	0	0	2	0	2	0	3	4	0	7	0	16
11:45PM	3	2	0	5	0	0	1	0	1	0	3	4	0	7	0	13
Hourly Total	23	4	0	27	0	0	13	0	13	0	15	21	0	36	0	76
Total	2966	240	1	3207	0	257	1920	0	2177	3	1906	2948	1	4855	4	10239
% Approach	92.5%	7.5%	0%	-	-	11.8%	88.2%	0%	-	-	39.3%	60.7%	0%	-	-	-
% Total	29.0%	2.3%	0%	31.3%	-	2.5%	18.8%	0%	21.3%	-	18.6%	28.8%	0%	47.4%	-	-
Lights	2784	222	1	3007	-	233	1880	0	2113	-	1880	2775	1	4656	-	9776
% Lights	93.9%	92.5%	100%	93.8%	-	90.7%	97.9%	0%	97.1%	-	98.6%	94.1%	100%	95.9%	-	95.5%
Articulated Trucks	122	13	0	135	-	14	6	0	20	-	4	126	0	130	-	285
% Articulated Trucks	4.1%	5.4%	0%	4.2%	-	5.4%	0.3%	0%	0.9%	-	0.2%	4.3%	0%	2.7%	-	2.8%
Buses and Single-Unit Trucks	60	5	0	65	-	10	34	0	44	-	22	47	0	69	-	178
% Buses and Single-Unit Trucks	2.0%	2.1%	0%	2.0%	-	3.9%	1.8%	0%	2.0%	-	1.2%	1.6%	0%	1.4%	-	1.7%
Pedestrians	-	-	-	-	0	-	-	-	-	3	-	-	-	-	4	
% Pedestrians	-	-	-	-	-	-	-	-	-	100%	-	-	-	-	100%	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	0%	-	-	-	-	0%	-

*Pedestrians and Bicycles on Crosswalk. BL: Bear left, BR: Bear right, HL: Hard left, HR: Hard right, T: Thru, U: U-Turn

Isett Avenue & Clay Street - TMC

Tue Dec 8, 2020

Full Length (12 AM-12 AM (+1))

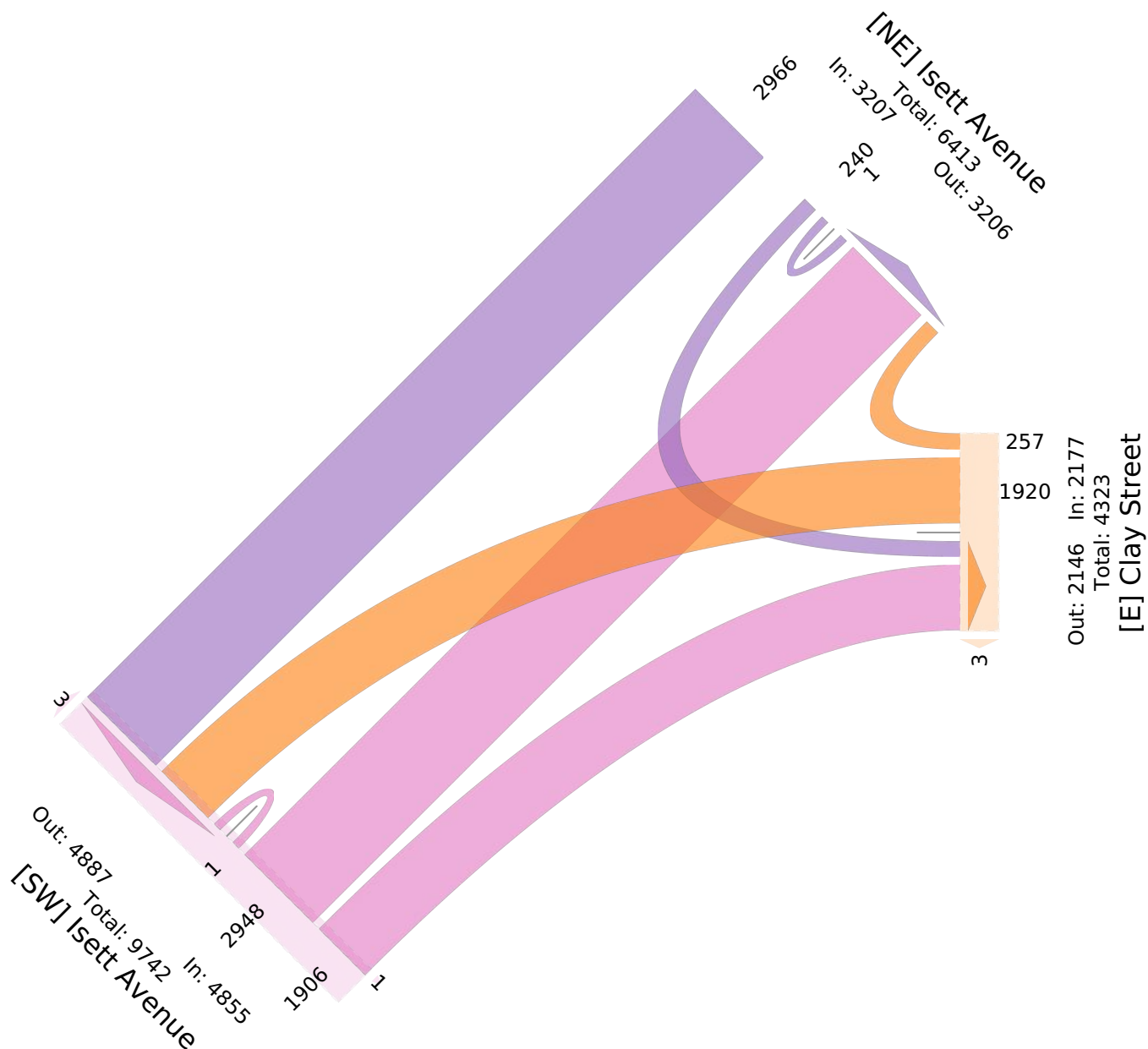
All Classes (Lights, Articulated Trucks, Buses and
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All Movements

ID: 804224, Location: 41.44096, -91.042421

SHIVEHATTERY
ARCHITECTURE + ENGINEERING

Provided by: Shive-Hattery
222 Third Avenue SE, Suite 300, Cedar Rapids, IA, 52401, US



Isett Avenue & Clay Street - TMC

Tue Dec 8, 2020

AM Peak (7:30 AM - 8:30 AM)

All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians, Bicycles on Crosswalk)

All Movements

ID: 804224, Location: 41.44096, -91.042421



Provided by: Shive-Hattery

222 Third Avenue SE, Suite 300, Cedar Rapids, IA, 52401, US

Leg Direction	Isett Avenue Southwestbound					Clay Street Westbound					Isett Avenue Northeastbound					
Time	T	HL	U	App	Ped*	HR	BL	U	App	Ped*	BR	T	U	App	Ped*	Int
2020-12-08 7:30AM	50	6	0	56	0	6	32	0	38	0	31	41	0	72	0	166
7:45AM	58	8	0	66	0	10	61	0	71	0	54	46	0	100	0	237
8:00AM	42	6	0	48	0	6	40	0	46	0	55	64	0	119	0	213
8:15AM	41	6	0	47	0	5	23	0	28	0	31	43	0	74	0	149
Total	191	26	0	217	0	27	156	0	183	0	171	194	0	365	0	765
% Approach	88.0%	12.0%	0%	-	-	14.8%	85.2%	0%	-	-	46.8%	53.2%	0%	-	-	-
% Total	25.0%	3.4%	0%	28.4%	-	3.5%	20.4%	0%	23.9%	-	22.4%	25.4%	0%	47.7%	-	-
PHF	0.823	0.813	-	0.822	-	0.675	0.639	-	0.644	-	0.777	0.758	-	0.767	-	0.807
Lights	171	25	0	196	-	22	145	0	167	-	166	185	0	351	-	714
% Lights	89.5%	96.2%	0%	90.3%	-	81.5%	92.9%	0%	91.3%	-	97.1%	95.4%	0%	96.2%	-	93.3%
Articulated Trucks	12	1	0	13	-	1	0	0	1	-	1	5	0	6	-	20
% Articulated Trucks	6.3%	3.8%	0%	6.0%	-	3.7%	0%	0%	0.5%	-	0.6%	2.6%	0%	1.6%	-	2.6%
Buses and Single-Unit Trucks	8	0	0	8	-	4	11	0	15	-	4	4	0	8	-	31
% Buses and Single-Unit Trucks	4.2%	0%	0%	3.7%	-	14.8%	7.1%	0%	8.2%	-	2.3%	2.1%	0%	2.2%	-	4.1%
Pedestrians	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* Pedestrians and Bicycles on Crosswalk. BL: Bear left, BR: Bear right, HL: Hard left, HR: Hard right, T: Thru, U: U-Turn

Isett Avenue & Clay Street - TMC

Tue Dec 8, 2020

AM Peak (7:30 AM - 8:30 AM)

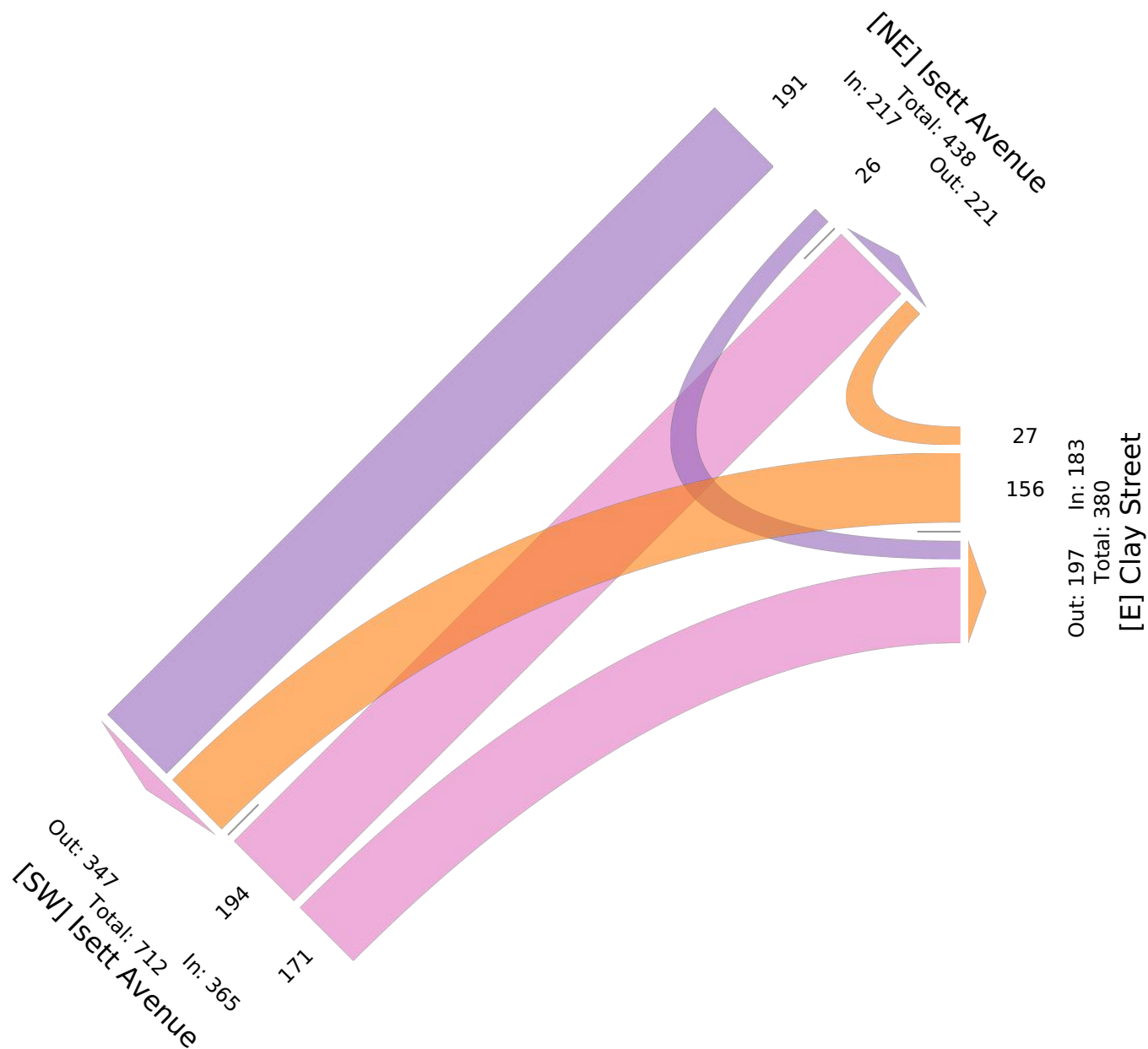
All Classes (Lights, Articulated Trucks, Buses and
Single-Unit Trucks, Pedestrians, Bicycles on Crosswalk)

All Movements

ID: 804224, Location: 41.44096, -91.042421

SHIVEHATTERY
ARCHITECTURE + ENGINEERING

Provided by: Shive-Hattery
222 Third Avenue SE, Suite 300, Cedar Rapids, IA, 52401, US



Isett Avenue & Clay Street - TMC

Tue Dec 8, 2020

Midday Peak (12 PM - 1 PM)

All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians, Bicycles on Crosswalk)

All Movements

ID: 804224, Location: 41.44096, -91.042421



Provided by: Shive-Hattery

222 Third Avenue SE, Suite 300, Cedar Rapids, IA, 52401, US

Leg Direction	Isett Avenue Southwestbound						Clay Street Westbound						Isett Avenue Northeastbound						
Time	T	HL	U	App	Ped*		HR	BL	U	App	Ped*		BR	T	U	App	Ped*	Int	
2020-12-08 12:00PM	54	3	0	57	0		6	42	0	48	0		41	60	0	101	0	206	
12:15PM	49	4	0	53	0		6	29	0	35	0		35	47	0	82	0	170	
12:30PM	52	2	0	54	0		3	44	0	47	0		30	41	0	71	0	172	
12:45PM	34	5	0	39	0		2	37	0	39	0		44	46	0	90	0	168	
Total	189	14	0	203	0		17	152	0	169	0		150	194	0	344	0	716	
% Approach	93.1%	6.9%	0%	-	-		10.1%	89.9%	0%	-	-		43.6%	56.4%	0%	-	-	-	
% Total	26.4%	2.0%	0%	28.4%	-		2.4%	21.2%	0%	23.6%	-		20.9%	27.1%	0%	48.0%	-	-	
PHF	0.875	0.700	-	0.890	-		0.708	0.864	-	0.880	-		0.852	0.808	-	0.851	-	0.869	
Lights	177	13	0	190	-		17	148	0	165	-		148	179	0	327	-	682	
% Lights	93.7%	92.9%	0%	93.6%	-		100%	97.4%	0%	97.6%	-		98.7%	92.3%	0%	95.1%	-	95.3%	
Articulated Trucks	8	1	0	9	-		0	2	0	2	-		0	7	0	7	-	18	
% Articulated Trucks	4.2%	7.1%	0%	4.4%	-		0%	1.3%	0%	1.2%	-		0%	3.6%	0%	2.0%	-	2.5%	
Buses and Single-Unit Trucks	4	0	0	4	-		0	2	0	2	-		2	8	0	10	-	16	
% Buses and Single-Unit Trucks	2.1%	0%	0%	2.0%	-		0%	1.3%	0%	1.2%	-		1.3%	4.1%	0%	2.9%	-	2.2%	
Pedestrians	-	-	-	-	0		-	-	-	-	0		-	-	-	-	0		
% Pedestrians	-	-	-	-	-		-	-	-	-	-		-	-	-	-	-	-	
Bicycles on Crosswalk	-	-	-	-	0		-	-	-	-	0		-	-	-	-	0		
% Bicycles on Crosswalk	-	-	-	-	-		-	-	-	-	-		-	-	-	-	-	-	

* Pedestrians and Bicycles on Crosswalk. BL: Bear left, BR: Bear right, HL: Hard left, HR: Hard right, T: Thru, U: U-Turn

Isett Avenue & Clay Street - TMC

Tue Dec 8, 2020

Midday Peak (12 PM - 1 PM)

All Classes (Lights, Articulated Trucks, Buses and
Single-Unit Trucks, Pedestrians, Bicycles on Crosswalk)

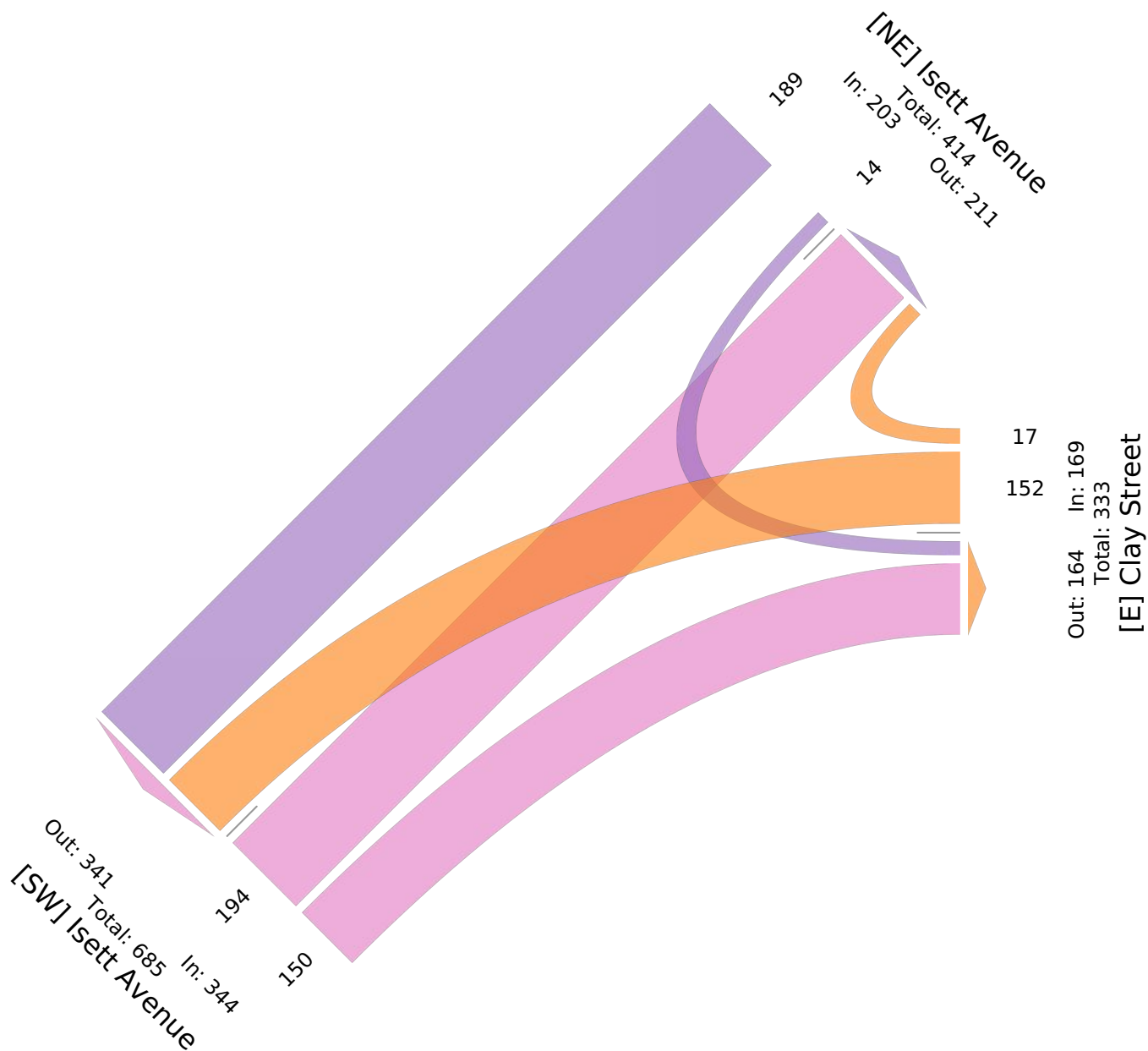
All Movements

ID: 804224, Location: 41.44096, -91.042421

SHIVEHATTERY
ARCHITECTURE + ENGINEERING

Provided by: Shive-Hattery

222 Third Avenue SE, Suite 300, Cedar Rapids, IA, 52401, US



Isett Avenue & Clay Street - TMC

Tue Dec 8, 2020

PM Peak (3:15 PM - 4:15 PM) - Overall Peak Hour

All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians, Bicycles on Crosswalk)

All Movements

ID: 804224, Location: 41.44096, -91.042421



Provided by: Shive-Hattery

222 Third Avenue SE, Suite 300, Cedar Rapids, IA, 52401, US

Leg Direction	Isett Avenue Southwestbound						Clay Street Westbound						Isett Avenue Northeastbound						
Time	T	HL	U	App	Ped*		HR	BL	U	App	Ped*		BR	T	U	App	Ped*	Int	
2020-12-08 3:15PM	68	5	0	73	0		5	49	0	54	0		51	74	0	125	0	252	
3:30PM	58	3	0	61	0		7	46	0	53	0		57	75	0	132	0	246	
3:45PM	87	7	0	94	0		4	58	0	62	0		40	72	0	112	0	268	
4:00PM	87	8	0	95	0		7	41	0	48	0		46	73	0	119	0	262	
Total	300	23	0	323	0		23	194	0	217	0		194	294	0	488	0	1028	
% Approach	92.9%	7.1%	0%	-	-		10.6%	89.4%	0%	-	-		39.8%	60.2%	0%	-	-	-	
% Total	29.2%	2.2%	0%	31.4%	-		2.2%	18.9%	0%	21.1%	-		18.9%	28.6%	0%	47.5%	-	-	
PHF	0.862	0.719	-	0.850	-		0.821	0.836	-	0.875	-		0.851	0.980	-	0.924	-	0.959	
Lights	289	22	0	311	-		21	190	0	211	-		189	279	0	468	-	990	
% Lights	96.3%	95.7%	0%	96.3%	-		91.3%	97.9%	0%	97.2%	-		97.4%	94.9%	0%	95.9%	-	96.3%	
Articulated Trucks	7	1	0	8	-		1	0	0	1	-		1	7	0	8	-	17	
% Articulated Trucks	2.3%	4.3%	0%	2.5%	-		4.3%	0%	0%	0.5%	-		0.5%	2.4%	0%	1.6%	-	1.7%	
Buses and Single-Unit Trucks	4	0	0	4	-		1	4	0	5	-		4	8	0	12	-	21	
% Buses and Single-Unit Trucks	1.3%	0%	0%	1.2%	-		4.3%	2.1%	0%	2.3%	-		2.1%	2.7%	0%	2.5%	-	2.0%	
Pedestrians	-	-	-	-	0		-	-	-	-	0		-	-	-	-	0		
% Pedestrians	-	-	-	-	-		-	-	-	-	-		-	-	-	-	-	-	
Bicycles on Crosswalk	-	-	-	-	0		-	-	-	-	0		-	-	-	-	0		
% Bicycles on Crosswalk	-	-	-	-	-		-	-	-	-	-		-	-	-	-	-	-	

* Pedestrians and Bicycles on Crosswalk. BL: Bear left, BR: Bear right, HL: Hard left, HR: Hard right, T: Thru, U: U-Turn

Isett Avenue & Clay Street - TMC

Tue Dec 8, 2020

PM Peak (3:15 PM - 4:15 PM) - Overall Peak Hour

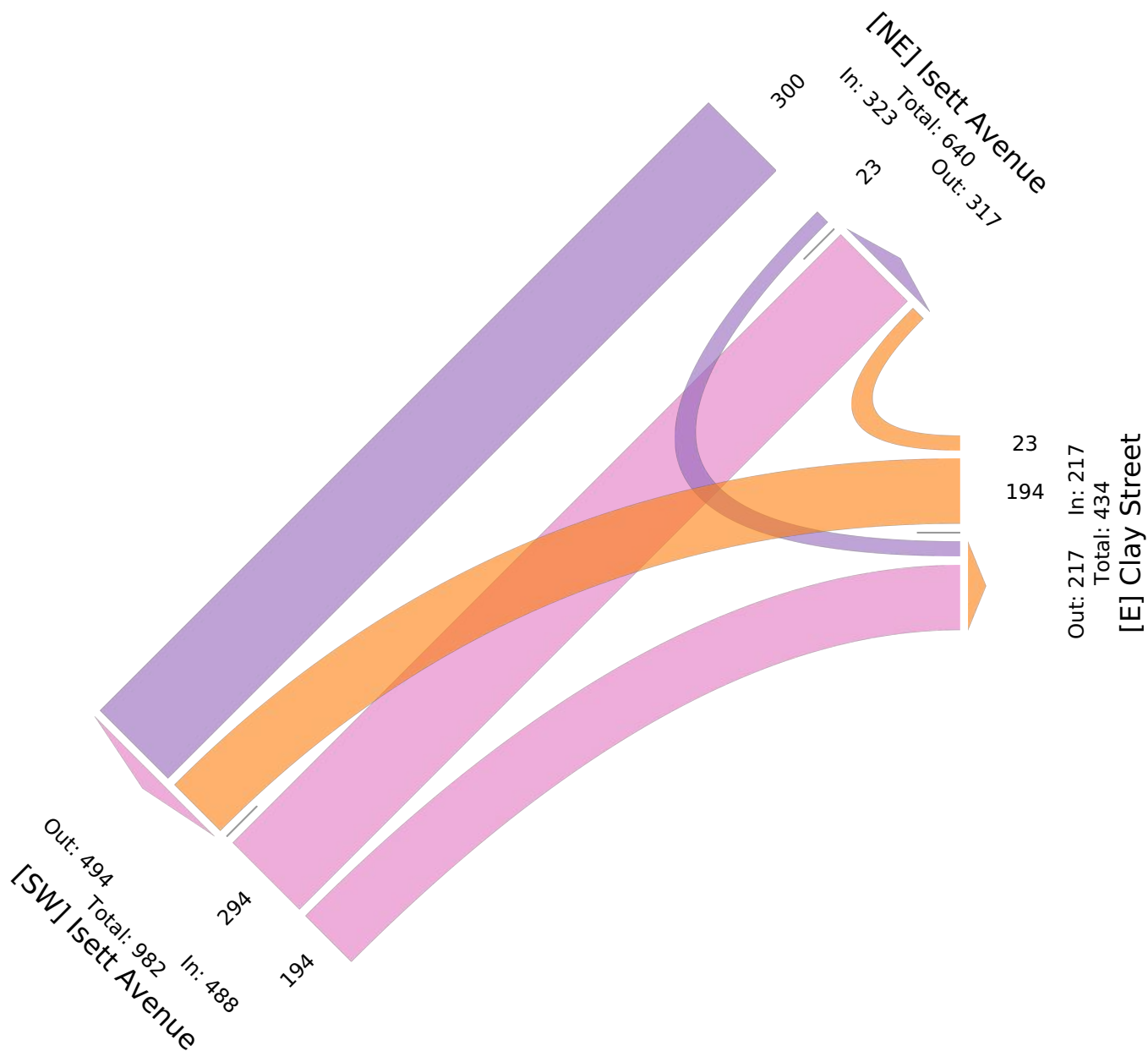
All Classes (Lights, Articulated Trucks, Buses and
Single-Unit Trucks, Pedestrians, Bicycles on Crosswalk)
All Movements

ID: 804224, Location: 41.44096, -91.042421

SHIVEHATTERY
ARCHITECTURE + ENGINEERING

Provided by: Shive-Hattery

222 Third Avenue SE, Suite 300, Cedar Rapids, IA, 52401, US



Isett Avenue & Bidwell Road - TMC

Tue Dec 8, 2020

Full Length (12 AM-12 AM (+1))

All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians, Bicycles on Crosswalk)

All Movements

ID: 804223, Location: 41.4382, -91.043765



Provided by: Shive-Hattery
222 Third Avenue SE, Suite 300, Cedar Rapids, IA, 52401, US

Leg Direction	Isett Avenue Southbound					Isett Avenue Northbound					Bidwell Road Southeastbound					
Time	HR	T	U	App	Ped*	T	BL	U	App	Ped*	BR	HL	U	App	Ped*	Int
2020-12-08 12:00AM	1	5	0	6	0	2	1	0	3	0	1	2	0	3	0	12
12:15AM	1	4	0	5	0	4	1	0	5	0	1	0	0	1	0	11
12:30AM	2	6	0	8	0	4	0	0	4	0	0	2	0	2	0	14
12:45AM	0	2	0	2	0	2	1	0	3	0	1	1	0	2	0	7
Hourly Total	4	17	0	21	0	12	3	0	15	0	3	5	0	8	0	44
1:00AM	2	6	0	8	0	5	0	0	5	0	0	0	0	0	0	13
1:15AM	1	3	0	4	0	4	1	0	5	0	0	0	0	0	0	9
1:30AM	3	0	0	3	0	5	1	0	6	0	0	1	0	1	0	10
1:45AM	1	4	0	5	0	3	0	0	3	0	2	1	0	3	0	11
Hourly Total	7	13	0	20	0	17	2	0	19	0	2	2	0	4	0	43
2:00AM	0	4	0	4	0	0	1	0	1	0	0	0	0	0	0	5
2:15AM	0	2	0	2	0	2	0	0	2	0	1	2	0	3	0	7
2:30AM	1	2	0	3	0	2	0	0	2	0	0	1	0	1	0	6
2:45AM	0	2	0	2	0	0	0	0	0	0	0	4	0	4	0	6
Hourly Total	1	10	0	11	0	4	1	0	5	0	1	7	0	8	0	24
3:00AM	0	3	0	3	0	3	1	0	4	0	0	2	0	2	0	9
3:15AM	1	2	0	3	0	6	1	0	7	0	1	1	0	2	0	12
3:30AM	0	4	0	4	0	6	2	0	8	0	0	2	0	2	0	14
3:45AM	0	5	0	5	0	9	1	0	10	0	5	2	0	7	0	22
Hourly Total	1	14	0	15	0	24	5	0	29	0	6	7	0	13	0	57
4:00AM	0	1	0	1	0	8	0	0	8	0	0	4	0	4	0	13
4:15AM	1	3	0	4	0	13	0	0	13	0	2	6	0	8	0	25
4:30AM	4	12	0	16	0	11	0	0	11	0	2	6	0	8	0	35
4:45AM	2	14	0	16	0	14	2	0	16	0	5	7	0	12	0	44
Hourly Total	7	30	0	37	0	46	2	0	48	0	9	23	0	32	0	117
5:00AM	1	15	0	16	0	10	1	0	11	0	4	2	0	6	1	33
5:15AM	5	10	0	15	0	12	2	0	14	0	4	7	0	11	0	40
5:30AM	3	20	0	23	0	23	0	0	23	0	5	8	0	13	0	59
5:45AM	5	28	0	33	0	17	1	0	18	0	6	9	0	15	0	66
Hourly Total	14	73	0	87	0	62	4	0	66	0	19	26	0	45	1	198
6:00AM	4	9	0	13	0	25	2	0	27	0	1	6	0	7	0	47
6:15AM	1	18	0	19	0	29	6	0	35	0	1	10	0	11	0	65
6:30AM	8	14	0	22	0	25	7	0	32	0	8	15	0	23	0	77
6:45AM	7	32	0	39	0	28	1	0	29	0	5	12	0	17	0	85
Hourly Total	20	73	0	93	0	107	16	0	123	0	15	43	0	58	0	274
7:00AM	8	26	0	34	0	22	1	0	23	0	2	21	0	23	0	80
7:15AM	14	23	0	37	0	37	4	0	41	0	9	19	0	28	0	106
7:30AM	38	46	0	84	0	34	4	0	38	0	18	39	0	57	0	179
7:45AM	46	69	0	115	0	55	10	0	65	0	12	49	0	61	0	241
Hourly Total	106	164	0	270	0	148	19	0	167	0	41	128	0	169	0	606
8:00AM	36	49	0	85	0	50	4	0	54	0	12	72	0	84	0	223
8:15AM	22	40	0	62	0	31	4	0	35	0	8	43	0	51	0	148
8:30AM	14	27	0	41	0	40	1	0	41	0	5	31	0	36	0	118
8:45AM	17	23	0	40	0	34	2	0	36	0	2	21	0	23	0	99
Hourly Total	89	139	0	228	0	155	11	0	166	0	27	167	0	194	0	588
9:00AM	19	41	0	60	0	30	3	0	33	0	3	28	0	31	0	124
9:15AM	23	34	0	57	0	34	4	0	38	0	4	18	0	22	0	117
9:30AM	17	38	0	55	0	30	4	0	34	0	3	22	0	25	0	114
9:45AM	23	32	0	55	0	54	6	0	60	0	4	29	0	33	0	148
Hourly Total	82	145	0	227	0	148	17	0	165	0	14	97	0	111	0	503
10:00AM	22	32	0	54	0	41	2	0	43	0	3	22	0	25	0	122
10:15AM	19	46	0	65	0	54	4	0	58	0	1	22	0	23	0	146

Leg Direction	Isett Avenue Southbound					Isett Avenue Northbound					Bidwell Road Southeastbound					
Time	HR	T	U	App	Ped*	T	BL	U	App	Ped*	BR	HL	U	App	Ped*	Int
10:30AM	16	45	0	61	0	47	4	0	51	0	8	29	0	37	0	149
10:45AM	34	42	0	76	0	51	5	0	56	0	6	23	0	29	0	161
Hourly Total	91	165	0	256	0	193	15	0	208	0	18	96	0	114	0	578
11:00AM	31	52	0	83	0	62	4	0	66	0	6	28	0	34	0	183
11:15AM	28	35	0	63	0	57	3	0	60	0	5	32	0	37	0	160
11:30AM	32	59	0	91	0	48	10	0	58	0	5	27	0	32	0	181
11:45AM	32	48	0	80	0	49	3	0	52	0	9	35	0	44	0	176
Hourly Total	123	194	0	317	0	216	20	0	236	0	25	122	0	147	0	700
12:00PM	38	62	0	100	0	68	10	0	78	0	7	31	0	38	0	216
12:15PM	22	54	0	76	0	56	5	0	61	0	4	30	0	34	0	171
12:30PM	32	66	0	98	0	40	4	0	44	0	9	35	0	44	0	186
12:45PM	26	51	0	77	0	49	3	0	52	0	11	41	0	52	0	181
Hourly Total	118	233	0	351	0	213	22	0	235	0	31	137	0	168	0	754
1:00PM	32	54	0	86	0	43	5	0	48	0	8	29	0	37	0	171
1:15PM	31	60	0	91	0	51	2	0	53	0	7	38	0	45	0	189
1:30PM	27	57	0	84	0	53	2	0	55	0	7	38	0	45	0	184
1:45PM	30	51	0	81	0	41	7	0	48	0	11	33	0	44	0	173
Hourly Total	120	222	0	342	0	188	16	0	204	0	33	138	0	171	0	717
2:00PM	38	47	0	85	0	71	9	0	80	0	7	37	0	44	0	209
2:15PM	52	63	0	115	0	72	5	0	77	0	6	36	0	42	0	234
2:30PM	44	72	0	116	0	42	4	0	46	0	8	34	0	42	0	204
2:45PM	57	60	0	117	0	46	8	1	55	0	13	41	0	54	0	226
Hourly Total	191	242	0	433	0	231	26	1	258	0	34	148	0	182	0	873
3:00PM	47	62	0	109	0	59	10	0	69	0	12	48	0	60	0	238
3:15PM	49	72	0	121	0	83	9	0	92	0	6	39	0	45	0	258
3:30PM	39	66	0	105	0	74	13	0	87	0	9	61	0	70	0	262
3:45PM	66	80	0	146	0	83	4	0	87	0	6	33	0	39	0	272
Hourly Total	201	280	0	481	0	299	36	0	335	0	33	181	0	214	0	1030
4:00PM	40	84	0	124	0	74	7	0	81	0	9	43	0	52	0	257
4:15PM	47	71	0	118	0	65	6	0	71	0	6	43	0	49	0	238
4:30PM	35	63	0	98	0	65	9	0	74	0	7	32	0	39	0	211
4:45PM	36	57	0	93	0	70	8	0	78	0	9	38	0	47	0	218
Hourly Total	158	275	0	433	0	274	30	0	304	0	31	156	0	187	0	924
5:00PM	58	82	0	140	0	64	8	0	72	0	9	39	0	48	0	260
5:15PM	44	78	0	122	0	60	6	0	66	0	8	35	0	43	0	231
5:30PM	34	67	0	101	0	55	4	0	59	0	7	23	0	30	0	190
5:45PM	31	58	0	89	0	52	9	0	61	0	12	35	0	47	0	197
Hourly Total	167	285	0	452	0	231	27	0	258	0	36	132	0	168	0	878
6:00PM	39	52	0	91	0	52	9	0	61	0	4	34	0	38	0	190
6:15PM	29	47	0	76	0	43	4	0	47	0	7	26	0	33	0	156
6:30PM	20	36	0	56	0	47	7	0	54	0	4	13	0	17	0	127
6:45PM	18	54	0	72	0	32	7	0	39	0	8	13	0	21	0	132
Hourly Total	106	189	0	295	0	174	27	0	201	0	23	86	0	109	0	605
7:00PM	21	45	0	66	0	27	6	0	33	0	3	23	0	26	0	125
7:15PM	19	38	0	57	0	31	6	0	37	0	3	18	0	21	0	115
7:30PM	21	36	0	57	0	25	8	0	33	0	7	16	0	23	0	113
7:45PM	14	28	0	42	0	26	3	0	29	0	5	21	0	26	0	97
Hourly Total	75	147	0	222	0	109	23	0	132	0	18	78	0	96	0	450
8:00PM	16	23	0	39	0	20	2	0	22	0	4	11	0	15	0	76
8:15PM	12	29	0	41	0	15	3	0	18	0	7	14	0	21	0	80
8:30PM	11	19	0	30	0	23	3	0	26	0	3	6	0	9	0	65
8:45PM	6	18	0	24	0	22	4	0	26	0	3	11	0	14	0	64
Hourly Total	45	89	0	134	0	80	12	0	92	0	17	42	0	59	0	285
9:00PM	9	28	0	37	0	16	1	0	17	0	5	11	0	16	0	70
9:15PM	10	23	0	33	0	16	2	0	18	0	3	5	0	8	0	59
9:30PM	9	19	0	28	0	15	1	0	16	1	4	8	0	12	1	56
9:45PM	10	13	0	23	0	7	1	0	8	0	0	4	0	4	0	35
Hourly Total	38	83	0	121	0	54	5	0	59	1	12	28	0	40	1	220
10:00PM	9	16	0	25	0	15	0	0	15	0	1	3	0	4	0	44
10:15PM	4	15	0	19	0	13	1	0	14	0	2	3	0	5	0	38

Leg Direction	Isett Avenue Southbound					Isett Avenue Northbound					Bidwell Road Southeastbound					
Time	HR	T	U	App	Ped*	T	BL	U	App	Ped*	BR	HL	U	App	Ped*	Int
10:30PM	3	14	0	17	0	8	2	0	10	0	1	5	0	6	0	33
10:45PM	2	12	0	14	0	7	1	0	8	0	0	3	0	3	0	25
Hourly Total	18	57	0	75	0	43	4	0	47	0	4	14	0	18	0	140
11:00PM	2	10	0	12	0	10	3	0	13	0	0	2	0	2	0	27
11:15PM	6	5	0	11	0	5	0	0	5	0	1	3	0	4	0	20
11:30PM	0	9	0	9	0	9	4	0	13	0	1	2	0	3	0	25
11:45PM	3	3	0	6	0	4	0	0	4	0	0	2	0	2	0	12
Hourly Total	11	27	0	38	0	28	7	0	35	0	2	9	0	11	0	84
Total	1793	3166	0	4959	0	3056	350	1	3407	1	454	1872	0	2326	2	10692
% Approach	36.2%	63.8%	0%	-	-	89.7%	10.3%	0%	-	-	19.5%	80.5%	0%	-	-	-
% Total	16.8%	29.6%	0%	46.4%	-	28.6%	3.3%	0%	31.9%	-	4.2%	17.5%	0%	21.8%	-	-
Lights	1752	2981	0	4733	-	2887	349	1	3237	-	451	1842	0	2293	-	10263
% Lights	97.7%	94.2%	0%	95.4%	-	94.5%	99.7%	100%	95.0%	-	99.3%	98.4%	0%	98.6%	-	96.0%
Articulated Trucks	0	128	0	128	-	129	0	0	129	-	0	1	0	1	-	258
% Articulated Trucks	0%	4.0%	0%	2.6%	-	4.2%	0%	0%	3.8%	-	0%	0.1%	0%	0%	-	2.4%
Buses and Single-Unit Trucks	41	57	0	98	-	40	1	0	41	-	3	29	0	32	-	171
% Buses and Single-Unit Trucks	2.3%	1.8%	0%	2.0%	-	1.3%	0.3%	0%	1.2%	-	0.7%	1.5%	0%	1.4%	-	1.6%
Pedestrians	-	-	-	-	0	-	-	-	-	1	-	-	-	-	2	
% Pedestrians	-	-	-	-	-	-	-	-	-	100%	-	-	-	-	100%	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	0%	-	-	-	-	0%	-

*Pedestrians and Bicycles on Crosswalk. BL: Bear left, BR: Bear right, HL: Hard left, HR: Hard right, T: Thru, U: U-Turn

Isett Avenue & Bidwell Road - TMC

Tue Dec 8, 2020

Full Length (12 AM-12 AM (+1))

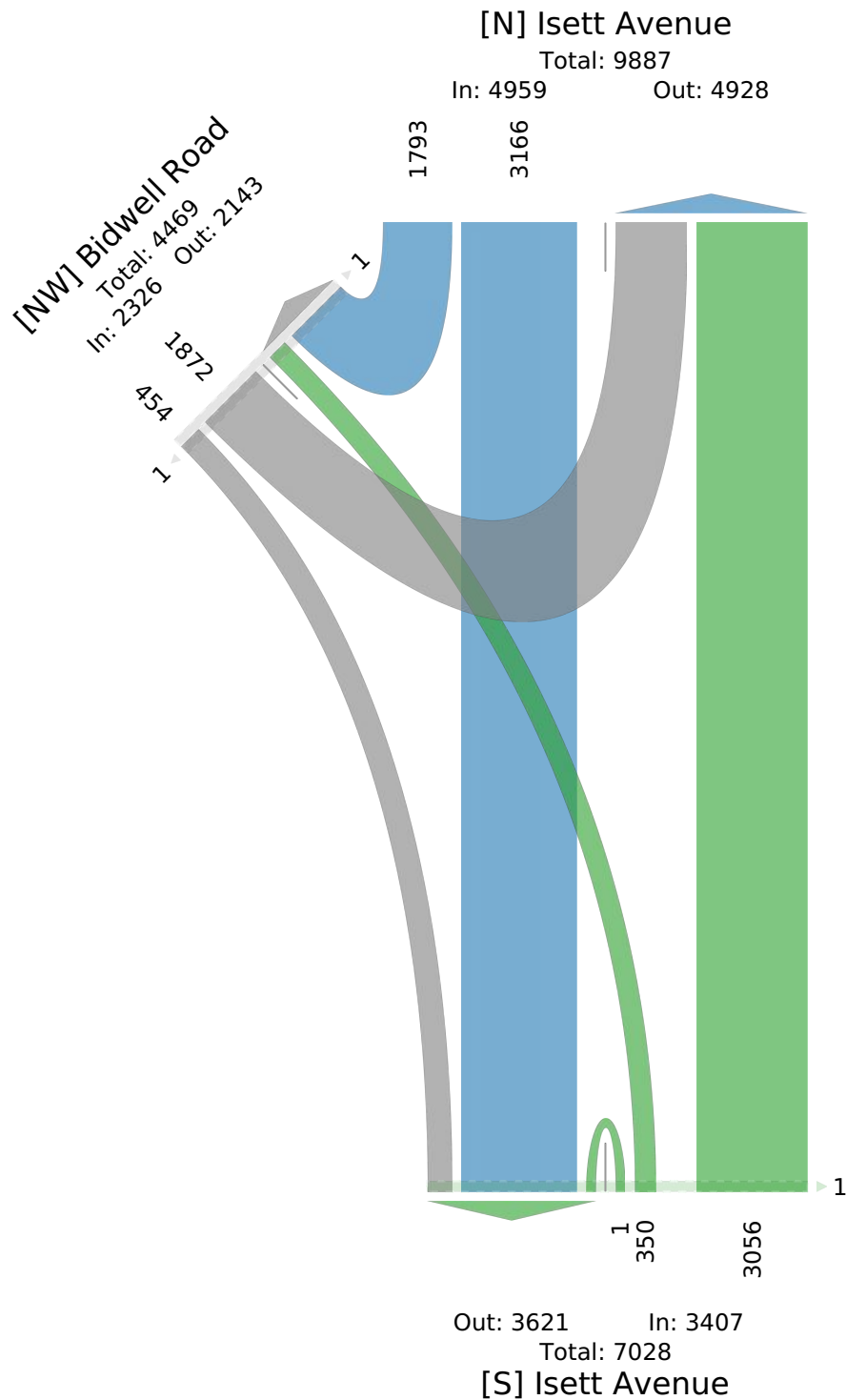
All Classes (Lights, Articulated Trucks, Buses and
Single-Unit Trucks, Pedestrians, Bicycles on Crosswalk)

All Movements

ID: 804223, Location: 41.4382, -91.043765

Provided by: Shive-Hattery

222 Third Avenue SE, Suite 300, Cedar Rapids, IA, 52401, US



Isett Avenue & Bidwell Road - TMC

Tue Dec 8, 2020

AM Peak (7:30 AM - 8:30 AM)

All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians, Bicycles on Crosswalk)

All Movements

ID: 804223, Location: 41.4382, -91.043765



Provided by: Shive-Hattery

222 Third Avenue SE, Suite 300, Cedar Rapids, IA, 52401, US

Leg Direction	Isett Avenue Southbound					Isett Avenue Northbound					Bidwell Road Southeastbound					
Time	HR	T	U	App	Ped*	T	BL	U	App	Ped*	BR	HL	U	App	Ped*	Int
2020-12-08 7:30AM	38	46	0	84	0	34	4	0	38	0	18	39	0	57	0	179
7:45AM	46	69	0	115	0	55	10	0	65	0	12	49	0	61	0	241
8:00AM	36	49	0	85	0	50	4	0	54	0	12	72	0	84	0	223
8:15AM	22	40	0	62	0	31	4	0	35	0	8	43	0	51	0	148
Total	142	204	0	346	0	170	22	0	192	0	50	203	0	253	0	791
% Approach	41.0%	59.0%	0%	-	-	88.5%	11.5%	0%	-	-	19.8%	80.2%	0%	-	-	-
% Total	18.0%	25.8%	0%	43.7%	-	21.5%	2.8%	0%	24.3%	-	6.3%	25.7%	0%	32.0%	-	-
PHF	0.772	0.739	-	0.752	-	0.773	0.550	-	0.738	-	0.694	0.705	-	0.753	-	0.821
Lights	137	177	0	314	-	165	21	0	186	-	50	195	0	245	-	745
% Lights	96.5%	86.8%	0%	90.8%	-	97.1%	95.5%	0%	96.9%	-	100%	96.1%	0%	96.8%	-	94.2%
Articulated Trucks	0	12	0	12	-	5	0	0	5	-	0	1	0	1	-	18
% Articulated Trucks	0%	5.9%	0%	3.5%	-	2.9%	0%	0%	2.6%	-	0%	0.5%	0%	0.4%	-	2.3%
Buses and Single-Unit Trucks	5	15	0	20	-	0	1	0	1	-	0	7	0	7	-	28
% Buses and Single-Unit Trucks	3.5%	7.4%	0%	5.8%	-	0%	4.5%	0%	0.5%	-	0%	3.4%	0%	2.8%	-	3.5%
Pedestrians	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* Pedestrians and Bicycles on Crosswalk. BL: Bear left, BR: Bear right, HL: Hard left, HR: Hard right, T: Thru, U: U-Turn

Isett Avenue & Bidwell Road - TMC

Tue Dec 8, 2020

AM Peak (7:30 AM - 8:30 AM)

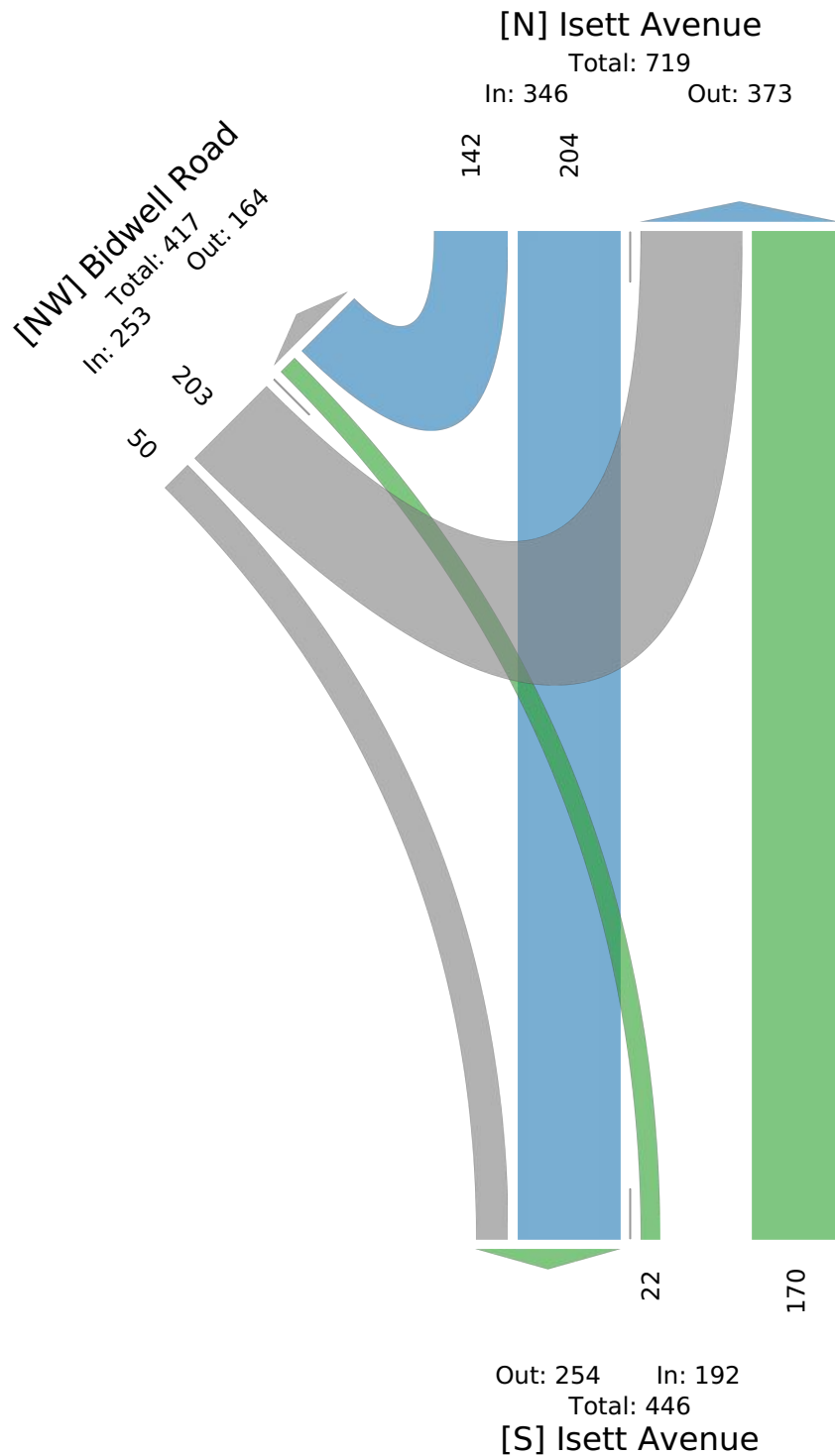
All Classes (Lights, Articulated Trucks, Buses and
Single-Unit Trucks, Pedestrians, Bicycles on Crosswalk)

All Movements

ID: 804223, Location: 41.4382, -91.043765

Provided by: Shive-Hattery

222 Third Avenue SE, Suite 300, Cedar Rapids, IA, 52401, US



Isett Avenue & Bidwell Road - TMC

Tue Dec 8, 2020

Midday Peak (12 PM - 1 PM)

All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians, Bicycles on Crosswalk)

All Movements

ID: 804223, Location: 41.4382, -91.043765



Provided by: Shive-Hattery

222 Third Avenue SE, Suite 300, Cedar Rapids, IA, 52401, US

Leg Direction	Isett Avenue Southbound					Isett Avenue Northbound					Bidwell Road Southeastbound					
Time	HR	T	U	App	Ped*	T	BL	U	App	Ped*	BR	HL	U	App	Ped*	Int
2020-12-08 12:00PM	38	62	0	100	0	68	10	0	78	0	7	31	0	38	0	216
12:15PM	22	54	0	76	0	56	5	0	61	0	4	30	0	34	0	171
12:30PM	32	66	0	98	0	40	4	0	44	0	9	35	0	44	0	186
12:45PM	26	51	0	77	0	49	3	0	52	0	11	41	0	52	0	181
Total	118	233	0	351	0	213	22	0	235	0	31	137	0	168	0	754
% Approach	33.6%	66.4%	0%	-	-	90.6%	9.4%	0%	-	-	18.5%	81.5%	0%	-	-	-
% Total	15.6%	30.9%	0%	46.6%	-	28.2%	2.9%	0%	31.2%	-	4.1%	18.2%	0%	22.3%	-	-
PHF	0.776	0.883	-	0.878	-	0.783	0.550	-	0.753	-	0.705	0.835	-	0.808	-	0.873
Lights	115	219	0	334	-	198	22	0	220	-	31	135	0	166	-	720
% Lights	97.5%	94.0%	0%	95.2%	-	93.0%	100%	0%	93.6%	-	100%	98.5%	0%	98.8%	-	95.5%
Articulated Trucks	0	10	0	10	-	7	0	0	7	-	0	0	0	0	-	17
% Articulated Trucks	0%	4.3%	0%	2.8%	-	3.3%	0%	0%	3.0%	-	0%	0%	0%	0%	-	2.3%
Buses and Single-Unit Trucks	3	4	0	7	-	8	0	0	8	-	0	2	0	2	-	17
% Buses and Single-Unit Trucks	2.5%	1.7%	0%	2.0%	-	3.8%	0%	0%	3.4%	-	0%	1.5%	0%	1.2%	-	2.3%
Pedestrians	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* Pedestrians and Bicycles on Crosswalk. BL: Bear left, BR: Bear right, HL: Hard left, HR: Hard right, T: Thru, U: U-Turn

Isett Avenue & Bidwell Road - TMC

Tue Dec 8, 2020

Midday Peak (12 PM - 1 PM)

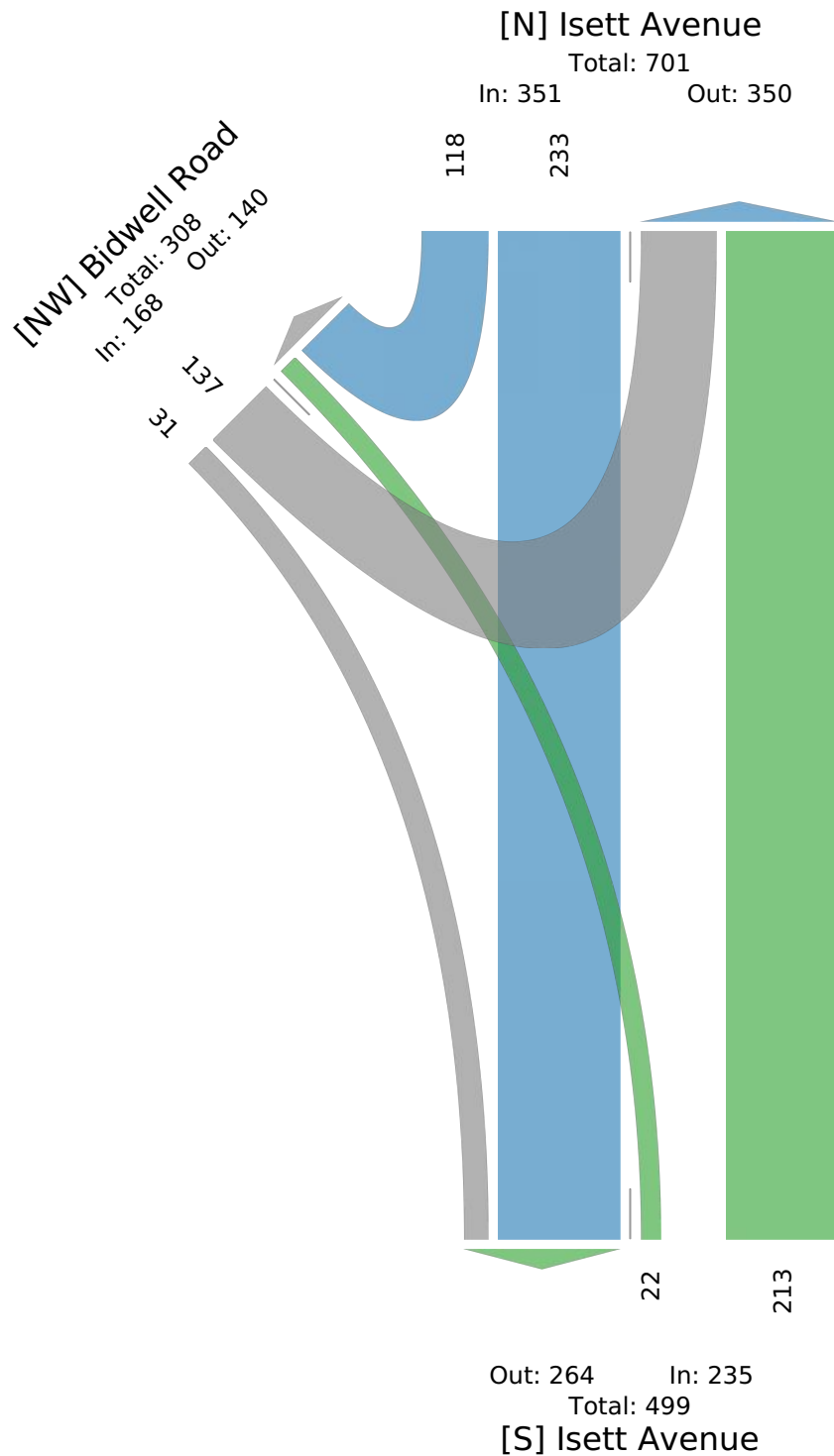
All Classes (Lights, Articulated Trucks, Buses and
Single-Unit Trucks, Pedestrians, Bicycles on Crosswalk)

All Movements

ID: 804223, Location: 41.4382, -91.043765

Provided by: Shive-Hattery

222 Third Avenue SE, Suite 300, Cedar Rapids, IA, 52401, US



Isett Avenue & Bidwell Road - TMC

Tue Dec 8, 2020

PM Peak (3:15 PM - 4:15 PM) - Overall Peak Hour

All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians, Bicycles on Crosswalk)

All Movements

ID: 804223, Location: 41.4382, -91.043765



Provided by: Shive-Hattery

222 Third Avenue SE, Suite 300, Cedar Rapids, IA, 52401, US

Leg Direction	Isett Avenue Southbound					Isett Avenue Northbound					Bidwell Road Southeastbound					
Time	HR	T	U	App	Ped*	T	BL	U	App	Ped*	BR	HL	U	App	Ped*	Int
2020-12-08 3:15PM	49	72	0	121	0	83	9	0	92	0	6	39	0	45	0	258
3:30PM	39	66	0	105	0	74	13	0	87	0	9	61	0	70	0	262
3:45PM	66	80	0	146	0	83	4	0	87	0	6	33	0	39	0	272
4:00PM	40	84	0	124	0	74	7	0	81	0	9	43	0	52	0	257
Total	194	302	0	496	0	314	33	0	347	0	30	176	0	206	0	1049
% Approach	39.1%	60.9%	0%	-	-	90.5%	9.5%	0%	-	-	14.6%	85.4%	0%	-	-	-
% Total	18.5%	28.8%	0%	47.3%	-	29.9%	3.1%	0%	33.1%	-	2.9%	16.8%	0%	19.6%	-	-
PHF	0.735	0.899	-	0.849	-	0.946	0.635	-	0.943	-	0.833	0.721	-	0.736	-	0.964
Lights	189	292	0	481	-	298	33	0	331	-	30	172	0	202	-	1014
% Lights	97.4%	96.7%	0%	97.0%	-	94.9%	100%	0%	95.4%	-	100%	97.7%	0%	98.1%	-	96.7%
Articulated Trucks	0	7	0	7	-	8	0	0	8	-	0	0	0	0	-	15
% Articulated Trucks	0%	2.3%	0%	1.4%	-	2.5%	0%	0%	2.3%	-	0%	0%	0%	0%	-	1.4%
Buses and Single-Unit Trucks	5	3	0	8	-	8	0	0	8	-	0	4	0	4	-	20
% Buses and Single-Unit Trucks	2.6%	1.0%	0%	1.6%	-	2.5%	0%	0%	2.3%	-	0%	2.3%	0%	1.9%	-	1.9%
Pedestrians	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* Pedestrians and Bicycles on Crosswalk. BL: Bear left, BR: Bear right, HL: Hard left, HR: Hard right, T: Thru, U: U-Turn

Isett Avenue & Bidwell Road - TMC

Tue Dec 8, 2020

PM Peak (3:15 PM - 4:15 PM) - Overall Peak Hour

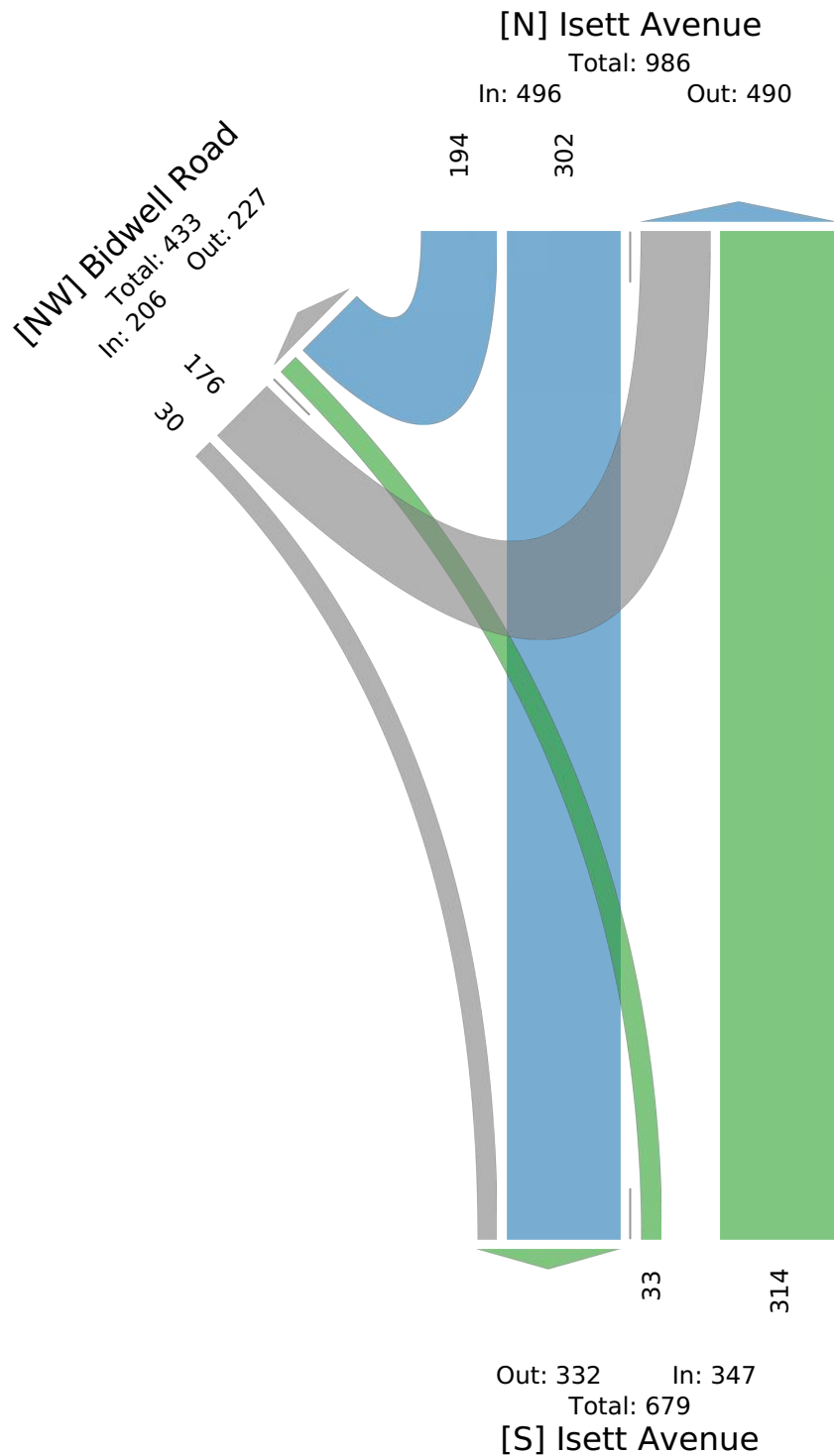
All Classes (Lights, Articulated Trucks, Buses and
Single-Unit Trucks, Pedestrians, Bicycles on Crosswalk)

All Movements

ID: 804223, Location: 41.4382, -91.043765

Provided by: Shive-Hattery

222 Third Avenue SE, Suite 300, Cedar Rapids, IA, 52401, US



Cypress Street & E 11th Street - TMC

Tue Dec 8, 2020

Full Length (12 AM-12 AM (+1))

All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians, Bicycles on Crosswalk)

All Movements

ID: 804221, Location: 41.433785, -91.043112



Provided by: Shive-Hattery
222 Third Avenue SE, Suite 300, Cedar Rapids, IA, 52401, US

Leg Direction	Isett Avenue Southwestbound					Cypress Street Northwestbound					E 11th Street Northeastbound					
Time	T	L	U	App	Ped*	R	L	U	App	Ped*	R	T	U	App	Ped*	Int
2020-12-08 12:00AM	0	5	0	5	0	3	0	0	3	0	0	0	0	0	0	8
12:15AM	2	2	0	4	0	3	0	0	3	0	0	0	0	0	0	7
12:30AM	2	4	0	6	0	2	0	0	2	0	0	0	0	0	0	8
12:45AM	2	1	0	3	0	1	2	0	3	0	0	0	0	0	0	6
Hourly Total	6	12	0	18	0	9	2	0	11	0	0	0	0	0	0	29
1:00AM	1	2	0	3	0	2	0	0	2	0	0	0	0	0	0	5
1:15AM	0	2	0	2	0	4	0	0	4	0	0	0	0	0	0	6
1:30AM	0	1	0	1	0	7	0	0	7	0	0	0	0	0	0	8
1:45AM	0	4	0	4	0	6	0	0	6	0	0	0	0	0	0	10
Hourly Total	1	9	0	10	0	19	0	0	19	0	0	0	0	0	0	29
2:00AM	3	4	0	7	0	1	0	0	1	0	2	0	0	2	0	10
2:15AM	0	4	0	4	0	2	0	0	2	0	1	0	0	1	0	7
2:30AM	0	0	0	0	0	3	1	0	4	0	0	0	0	0	0	4
2:45AM	0	1	0	1	0	2	0	0	2	0	0	0	0	0	0	3
Hourly Total	3	9	0	12	0	8	1	0	9	0	3	0	0	3	0	24
3:00AM	1	0	0	1	0	2	0	0	2	0	0	1	0	1	0	4
3:15AM	0	2	0	2	0	1	0	0	1	0	0	2	0	2	0	5
3:30AM	1	3	0	4	0	5	0	0	5	0	1	2	0	3	0	12
3:45AM	0	10	0	10	0	4	1	0	5	0	0	2	0	2	0	17
Hourly Total	2	15	0	17	0	12	1	0	13	0	1	7	0	8	0	38
4:00AM	0	1	0	1	0	7	0	0	7	0	0	0	0	0	0	8
4:15AM	1	4	0	5	0	5	0	0	5	0	1	3	0	4	0	14
4:30AM	0	10	0	10	0	9	1	0	10	0	1	0	0	1	0	21
4:45AM	1	8	0	9	0	11	3	0	14	0	2	1	0	3	0	26
Hourly Total	2	23	0	25	0	32	4	0	36	0	4	4	0	8	0	69
5:00AM	3	7	0	10	0	17	2	0	19	0	1	2	0	3	0	32
5:15AM	0	9	0	9	0	17	0	0	17	0	1	1	0	2	0	28
5:30AM	3	10	0	13	0	22	5	0	27	0	1	4	0	5	0	45
5:45AM	1	10	0	11	0	23	2	0	25	0	1	2	0	3	0	39
Hourly Total	7	36	0	43	0	79	9	0	88	0	4	9	0	13	0	144
6:00AM	3	13	0	16	0	13	3	0	16	0	3	1	0	4	0	36
6:15AM	0	20	0	20	0	18	6	0	24	0	0	0	0	0	0	44
6:30AM	4	14	0	18	0	11	6	0	17	0	2	5	0	7	0	42
6:45AM	3	17	0	20	0	23	9	0	32	0	4	3	0	7	0	59
Hourly Total	10	64	0	74	0	65	24	0	89	0	9	9	0	18	0	181
7:00AM	7	14	0	21	0	12	7	0	19	0	3	1	0	4	0	44
7:15AM	6	18	0	24	0	26	13	0	39	0	5	5	0	10	0	73
7:30AM	12	31	0	43	0	26	38	0	64	0	5	2	0	7	0	114
7:45AM	28	32	0	60	0	46	28	0	74	0	9	2	0	11	0	145
Hourly Total	53	95	0	148	0	110	86	0	196	0	22	10	0	32	0	376
8:00AM	12	40	0	52	0	31	25	0	56	0	6	5	0	11	0	119
8:15AM	4	35	1	40	0	20	9	0	29	0	6	2	0	8	0	77
8:30AM	7	21	0	28	0	27	5	0	32	0	4	5	0	9	0	69
8:45AM	3	15	0	18	0	18	10	0	28	0	7	1	0	8	0	54
Hourly Total	26	111	1	138	0	96	49	0	145	0	23	13	0	36	0	319
9:00AM	10	20	0	30	0	23	7	0	30	0	5	1	0	6	0	66
9:15AM	6	22	0	28	0	22	8	0	30	0	2	3	0	5	0	63
9:30AM	9	26	0	35	0	21	9	0	30	0	4	3	0	7	0	72
9:45AM	9	21	0	30	2	31	8	0	39	0	8	7	0	15	0	84
Hourly Total	34	89	0	123	2	97	32	0	129	0	19	14	0	33	0	285
10:00AM	4	22	0	26	5	29	7	0	36	0	10	2	0	12	0	74
10:15AM	7	28	0	35	0	35	9	0	44	0	6	3	0	9	0	88

Leg Direction	Isett Avenue Southwestbound					Cypress Street Northwestbound					E 11th Street Northeastbound					
Time	T	L	U	App	Ped*	R	L	U	App	Ped*	R	T	U	App	Ped*	Int
10:30AM	13	31	0	44	0	38	5	0	43	0	3	2	0	5	0	92
10:45AM	13	28	0	41	0	38	10	0	48	0	3	4	0	7	0	96
Hourly Total	37	109	0	146	5	140	31	0	171	0	22	11	0	33	0	350
11:00AM	13	25	0	38	0	53	11	0	64	0	1	3	0	4	0	106
11:15AM	8	26	0	34	0	38	9	0	47	0	3	6	0	9	0	90
11:30AM	16	35	0	51	0	41	6	0	47	0	6	4	0	10	0	108
11:45AM	7	42	0	49	0	38	7	0	45	0	6	5	0	11	0	105
Hourly Total	44	128	0	172	0	170	33	0	203	0	16	18	0	34	0	409
12:00PM	18	40	0	58	0	48	13	0	61	0	11	7	0	18	0	137
12:15PM	16	36	0	52	0	36	8	0	44	0	2	8	0	10	0	106
12:30PM	16	44	0	60	0	30	11	0	41	0	9	5	0	14	0	115
12:45PM	9	25	0	34	0	36	9	0	45	0	3	4	0	7	0	86
Hourly Total	59	145	0	204	0	150	41	0	191	0	25	24	0	49	0	444
1:00PM	17	33	0	50	0	35	5	0	40	0	4	4	0	8	0	98
1:15PM	12	42	0	54	0	47	13	0	60	1	5	3	0	8	0	122
1:30PM	8	37	0	45	0	37	12	0	49	0	9	8	0	17	0	111
1:45PM	18	32	0	50	0	36	11	0	47	0	8	4	0	12	0	109
Hourly Total	55	144	0	199	0	155	41	0	196	1	26	19	0	45	0	440
2:00PM	19	33	0	52	0	49	7	0	56	0	7	2	0	9	0	117
2:15PM	17	43	0	60	0	40	10	0	50	0	4	4	0	8	0	118
2:30PM	20	52	0	72	0	34	14	0	48	0	4	3	0	7	0	127
2:45PM	17	42	0	59	0	41	11	0	52	0	10	6	0	16	0	127
Hourly Total	73	170	0	243	0	164	42	0	206	0	25	15	0	40	0	489
3:00PM	20	51	0	71	0	42	21	0	63	0	15	6	0	21	0	155
3:15PM	24	36	0	60	0	62	16	0	78	0	10	9	0	19	0	157
3:30PM	18	48	0	66	0	56	25	0	81	0	16	3	0	19	0	166
3:45PM	16	55	0	71	0	59	14	0	73	0	20	8	0	28	0	172
Hourly Total	78	190	0	268	0	219	76	0	295	0	61	26	0	87	0	650
4:00PM	24	51	0	75	0	47	13	0	60	0	13	7	0	20	0	155
4:15PM	15	50	0	65	0	43	10	0	53	0	15	5	0	20	0	138
4:30PM	23	33	1	57	0	50	11	0	61	0	14	7	0	21	0	139
4:45PM	15	39	0	54	0	54	11	0	65	0	10	10	0	20	0	139
Hourly Total	77	173	1	251	0	194	45	0	239	0	52	29	0	81	0	571
5:00PM	24	48	0	72	0	40	10	0	50	0	18	11	0	29	0	151
5:15PM	28	46	0	74	0	45	13	0	58	0	9	3	0	12	0	144
5:30PM	25	40	0	65	0	44	13	0	57	0	9	9	0	18	0	140
5:45PM	12	40	0	52	0	39	14	0	53	0	2	9	0	11	0	116
Hourly Total	89	174	0	263	0	168	50	0	218	0	38	32	0	70	0	551
6:00PM	18	34	0	52	0	35	11	0	46	0	7	3	0	10	0	108
6:15PM	15	35	0	50	0	24	10	0	34	0	3	6	0	9	0	93
6:30PM	13	23	0	36	0	29	8	0	37	0	11	5	0	16	0	89
6:45PM	16	28	0	44	0	32	8	0	40	0	4	2	0	6	0	90
Hourly Total	62	120	0	182	0	120	37	0	157	0	25	16	0	41	0	380
7:00PM	13	22	0	35	0	27	3	0	30	0	2	2	0	4	0	69
7:15PM	12	19	0	31	0	27	4	0	31	0	1	2	0	3	0	65
7:30PM	13	23	0	36	0	20	7	0	27	0	3	1	0	4	0	67
7:45PM	5	22	0	27	0	20	6	0	26	0	1	5	0	6	0	59
Hourly Total	43	86	0	129	0	94	20	0	114	0	7	10	0	17	0	260
8:00PM	5	20	0	25	0	16	6	0	22	0	3	3	0	6	0	53
8:15PM	9	19	0	28	0	16	2	0	18	0	3	1	0	4	0	50
8:30PM	5	17	0	22	0	15	2	0	17	0	1	3	0	4	0	43
8:45PM	3	10	0	13	0	20	1	0	21	0	3	1	0	4	1	38
Hourly Total	22	66	0	88	0	67	11	0	78	0	10	8	0	18	1	184
9:00PM	11	12	0	23	0	15	2	0	17	0	2	5	0	7	0	47
9:15PM	8	11	0	19	0	15	2	0	17	0	3	2	0	5	0	41
9:30PM	7	10	0	17	0	9	2	0	11	0	1	2	0	3	0	31
9:45PM	3	8	0	11	0	8	3	0	11	0	1	1	0	2	0	24
Hourly Total	29	41	0	70	0	47	9	0	56	0	7	10	0	17	0	143
10:00PM	8	17	0	25	0	9	3	0	12	0	1	0	0	1	0	38
10:15PM	6	13	0	19	0	8	1	0	9	0	1	0	0	1	0	29

Leg Direction	Isett Avenue Southwestbound					Cypress Street Northwestbound					E 11th Street Northeastbound					
Time	T	L	U	App	Ped*	R	L	U	App	Ped*	R	T	U	App	Ped*	Int
10:30PM	5	11	0	16	0	7	4	0	11	0	0	2	0	2	0	29
10:45PM	2	6	0	8	0	2	1	0	3	0	1	2	0	3	0	14
Hourly Total	21	47	0	68	0	26	9	0	35	0	3	4	0	7	0	110
11:00PM	3	3	0	6	0	4	0	0	4	0	0	3	0	3	0	13
11:15PM	2	3	0	5	0	1	2	0	3	0	1	0	0	1	0	9
11:30PM	5	5	0	10	0	8	2	0	10	0	0	1	0	1	0	21
11:45PM	0	5	0	5	0	5	2	0	7	0	0	0	0	0	0	12
Hourly Total	10	16	0	26	0	18	6	0	24	0	1	4	0	5	0	55
Total	843	2072	2	2917	7	2259	659	0	2918	1	403	292	0	695	1	6530
% Approach	28.9%	71.0%	0.1%	-	-	77.4%	22.6%	0%	-	-	58.0%	42.0%	0%	-	-	-
% Total	12.9%	31.7%	0%	44.7%	-	34.6%	10.1%	0%	44.7%	-	6.2%	4.5%	0%	10.6%	-	-
Lights	830	2005	1	2836	-	2199	645	0	2844	-	393	290	0	683	-	6363
% Lights	98.5%	96.8%	50.0%	97.2%	-	97.3%	97.9%	0%	97.5%	-	97.5%	99.3%	0%	98.3%	-	97.4%
Articulated Trucks	0	34	0	34	-	35	1	0	36	-	1	0	0	1	-	71
% Articulated Trucks	0%	1.6%	0%	1.2%	-	1.5%	0.2%	0%	1.2%	-	0.2%	0%	0%	0.1%	-	1.1%
Buses and Single-Unit Trucks	13	33	1	47	-	25	13	0	38	-	9	2	0	11	-	96
% Buses and Single-Unit Trucks	1.5%	1.6%	50.0%	1.6%	-	1.1%	2.0%	0%	1.3%	-	2.2%	0.7%	0%	1.6%	-	1.5%
Pedestrians	-	-	-	-	7	-	-	-	-	1	-	-	-	-	0	
% Pedestrians	-	-	-	-	100%	-	-	-	-	100%	-	-	-	-	0%	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	-	-	-	1	
% Bicycles on Crosswalk	-	-	-	-	0%	-	-	-	-	0%	-	-	-	-	100%	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

Cypress Street & E 11th Street - TMC

Tue Dec 8, 2020

Full Length (12 AM-12 AM (+1))

All Classes (Lights, Articulated Trucks, Buses and
Single-Unit Trucks, Pedestrians, Bicycles on Crosswalk)

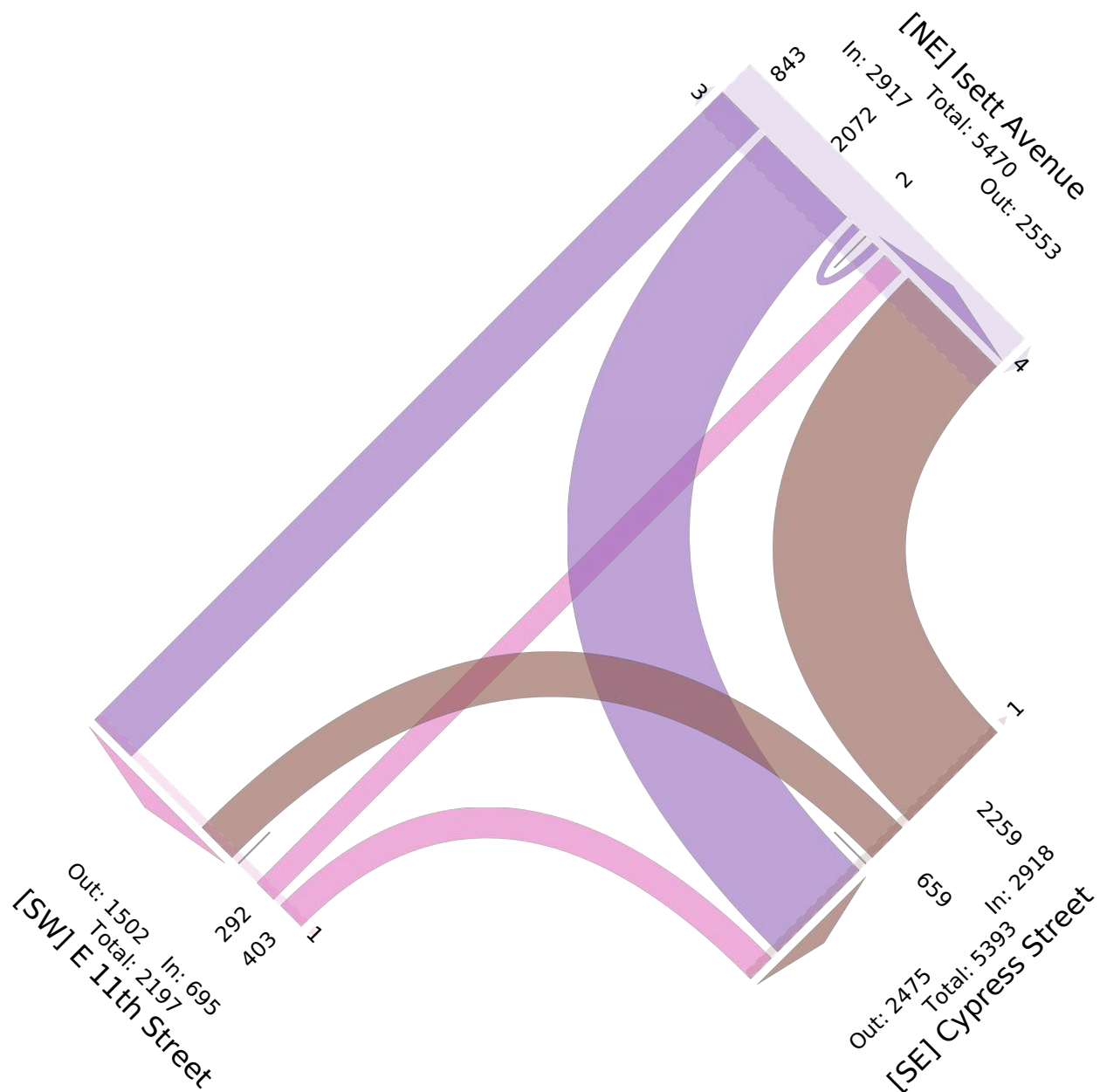
All Movements

ID: 804221, Location: 41.433785, -91.043112

SHIVEHATTERY
ARCHITECTURE + ENGINEERING

Provided by: Shive-Hattery

222 Third Avenue SE, Suite 300, Cedar Rapids, IA, 52401, US



Cypress Street & E 11th Street - TMC

Tue Dec 8, 2020

AM Peak (7:30 AM - 8:30 AM)

All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians, Bicycles on Crosswalk)

All Movements

ID: 804221, Location: 41.433785, -91.043112

Leg Direction	Isett Avenue Southwestbound					Cypress Street Northwestbound					E 11th Street Northeastbound					
Time	T	L	U	App	Ped*	R	L	U	App	Ped*	R	T	U	App	Ped*	Int
2020-12-08 7:30AM	12	31	0	43	0	26	38	0	64	0	5	2	0	7	0	114
7:45AM	28	32	0	60	0	46	28	0	74	0	9	2	0	11	0	145
8:00AM	12	40	0	52	0	31	25	0	56	0	6	5	0	11	0	119
8:15AM	4	35	1	40	0	20	9	0	29	0	6	2	0	8	0	77
Total	56	138	1	195	0	123	100	0	223	0	26	11	0	37	0	455
% Approach	28.7%	70.8%	0.5%	-	-	55.2%	44.8%	0%	-	-	70.3%	29.7%	0%	-	-	-
% Total	12.3%	30.3%	0.2%	42.9%	-	27.0%	22.0%	0%	49.0%	-	5.7%	2.4%	0%	8.1%	-	-
PHF	0.500	0.863	0.250	0.813	-	0.668	0.658	-	0.753	-	0.722	0.550	-	0.841	-	0.784
Lights	51	129	0	180	-	120	98	0	218	-	25	11	0	36	-	434
% Lights	91.1%	93.5%	0%	92.3%	-	97.6%	98.0%	0%	97.8%	-	96.2%	100%	0%	97.3%	-	95.4%
Articulated Trucks	0	4	0	4	-	1	0	0	1	-	0	0	0	0	-	5
% Articulated Trucks	0%	2.9%	0%	2.1%	-	0.8%	0%	0%	0.4%	-	0%	0%	0%	0%	-	1.1%
Buses and Single-Unit Trucks	5	5	1	11	-	2	2	0	4	-	1	0	0	1	-	16
% Buses and Single-Unit Trucks	8.9%	3.6%	100%	5.6%	-	1.6%	2.0%	0%	1.8%	-	3.8%	0%	0%	2.7%	-	3.5%
Pedestrians	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

Cypress Street & E 11th Street - TMC

Tue Dec 8, 2020

AM Peak (7:30 AM - 8:30 AM)

All Classes (Lights, Articulated Trucks, Buses and
Single-Unit Trucks, Pedestrians, Bicycles on Crosswalk)

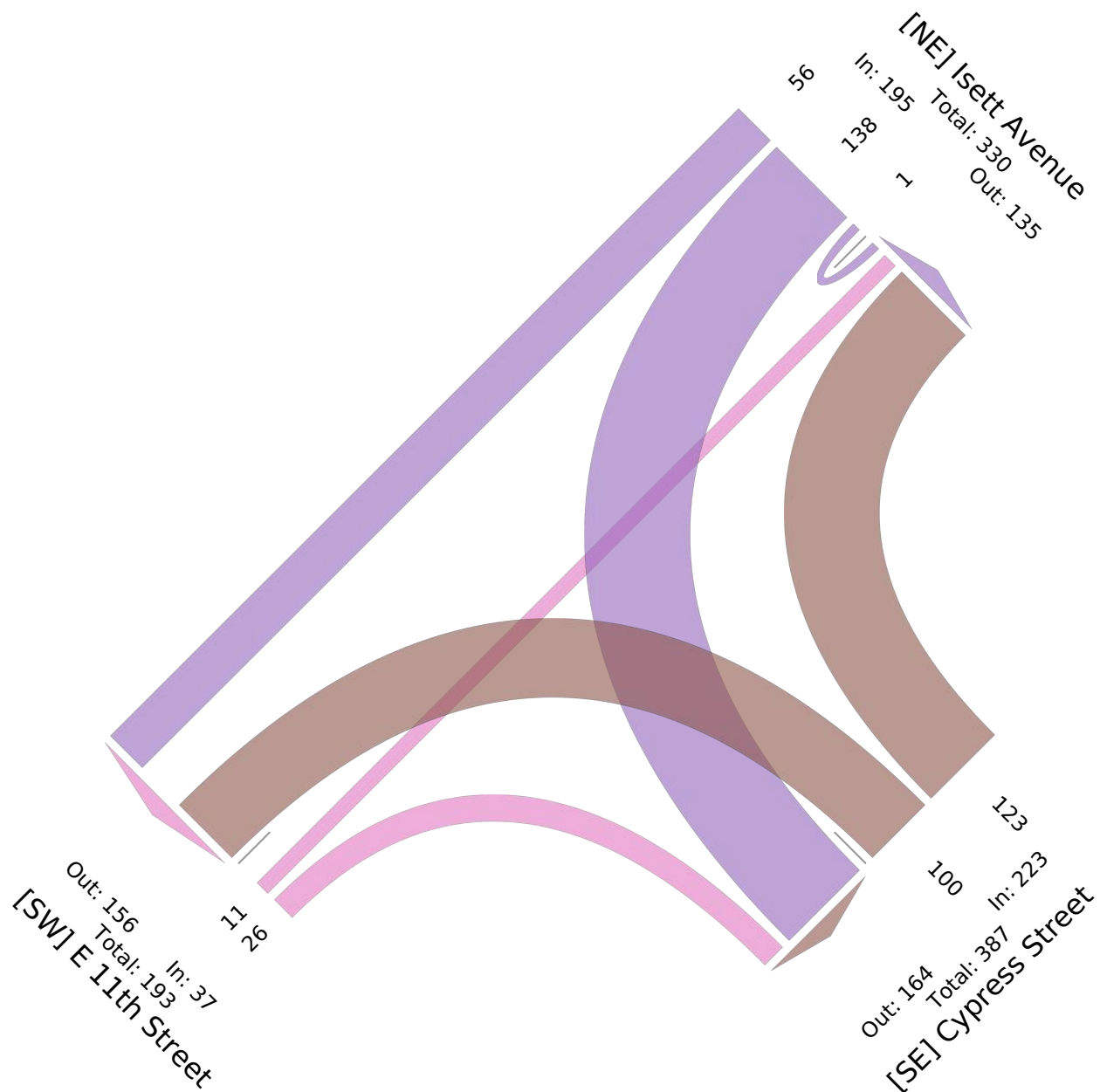
All Movements

ID: 804221, Location: 41.433785, -91.043112

SHIVEHATTERY
ARCHITECTURE + ENGINEERING

Provided by: Shive-Hattery

222 Third Avenue SE, Suite 300, Cedar Rapids, IA, 52401, US



Cypress Street & E 11th Street - TMC

Tue Dec 8, 2020

Midday Peak (11:45 AM - 12:45 PM)

All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians, Bicycles on Crosswalk)

All Movements

ID: 804221, Location: 41.433785, -91.043112



Provided by: Shive-Hattery

222 Third Avenue SE, Suite 300, Cedar Rapids, IA, 52401, US

Leg Direction	Isett Avenue Southwestbound					Cypress Street Northwestbound					E 11th Street Northeastbound					
Time	T	L	U	App	Ped*	R	L	U	App	Ped*	R	T	U	App	Ped*	Int
2020-12-08 11:45AM	7	42	0	49	0	38	7	0	45	0	6	5	0	11	0	105
12:00PM	18	40	0	58	0	48	13	0	61	0	11	7	0	18	0	137
12:15PM	16	36	0	52	0	36	8	0	44	0	2	8	0	10	0	106
12:30PM	16	44	0	60	0	30	11	0	41	0	9	5	0	14	0	115
Total	57	162	0	219	0	152	39	0	191	0	28	25	0	53	0	463
% Approach	26.0%	74.0%	0%	-	-	79.6%	20.4%	0%	-	-	52.8%	47.2%	0%	-	-	-
% Total	12.3%	35.0%	0%	47.3%	-	32.8%	8.4%	0%	41.3%	-	6.0%	5.4%	0%	11.4%	-	-
PHF	0.792	0.920	-	0.913	-	0.792	0.750	-	0.783	-	0.636	0.781	-	0.736	-	0.845
Lights	57	155	0	212	-	147	39	0	186	-	28	24	0	52	-	450
% Lights	100%	95.7%	0%	96.8%	-	96.7%	100%	0%	97.4%	-	100%	96.0%	0%	98.1%	-	97.2%
Articulated Trucks	0	4	0	4	-	0	0	0	0	-	0	0	0	0	-	4
% Articulated Trucks	0%	2.5%	0%	1.8%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0.9%
Buses and Single-Unit Trucks	0	3	0	3	-	5	0	0	5	-	0	1	0	1	-	9
% Buses and Single-Unit Trucks	0%	1.9%	0%	1.4%	-	3.3%	0%	0%	2.6%	-	0%	4.0%	0%	1.9%	-	1.9%
Pedestrians	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

Cypress Street & E 11th Street - TMC

Tue Dec 8, 2020

Midday Peak (11:45 AM - 12:45 PM)

All Classes (Lights, Articulated Trucks, Buses and
Single-Unit Trucks, Pedestrians, Bicycles on Crosswalk)

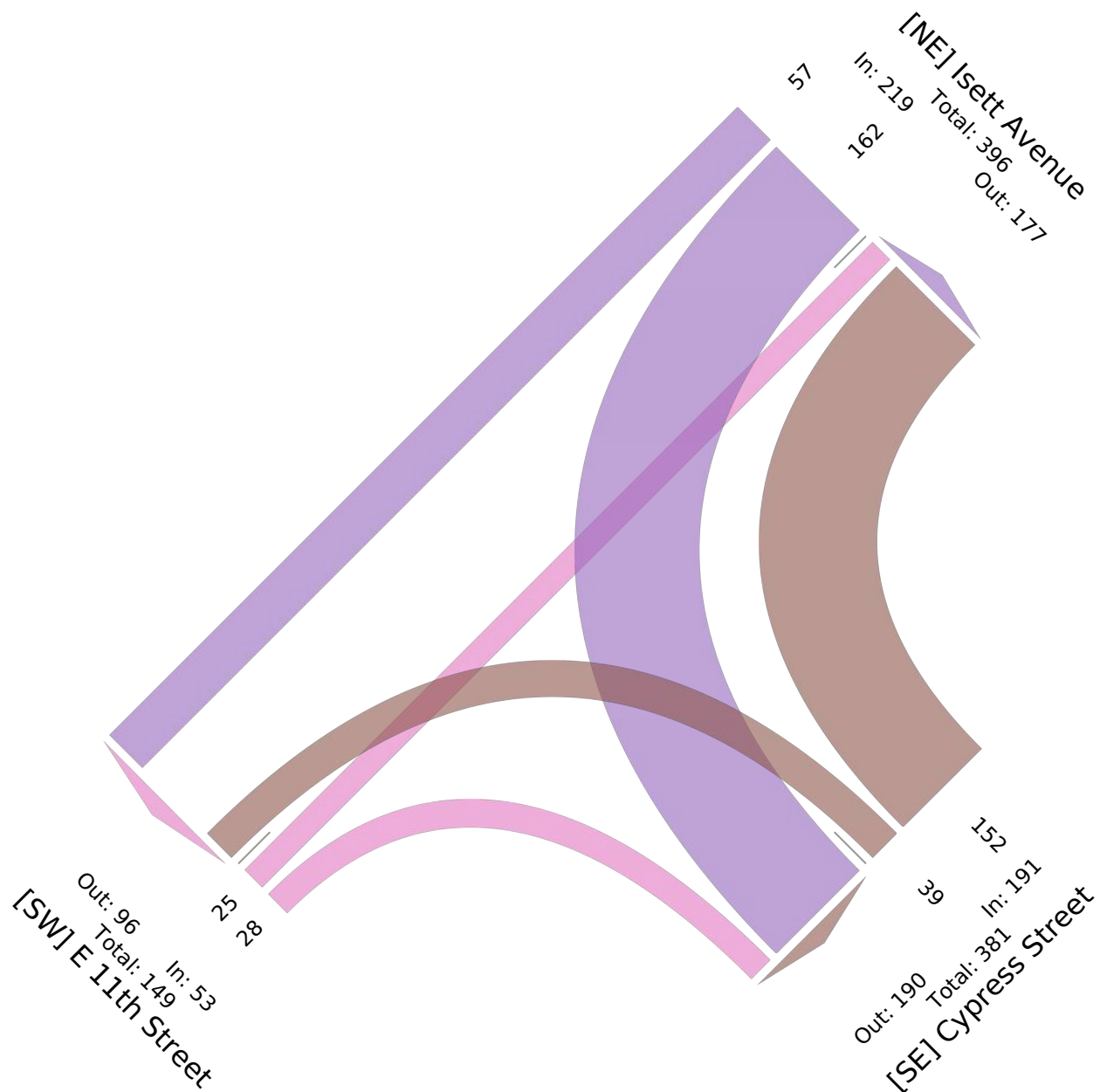
All Movements

ID: 804221, Location: 41.433785, -91.043112

SHIVEHATTERY
ARCHITECTURE + ENGINEERING

Provided by: Shive-Hattery

222 Third Avenue SE, Suite 300, Cedar Rapids, IA, 52401, US



Cypress Street & E 11th Street - TMC

Tue Dec 8, 2020

PM Peak (3 PM - 4 PM) - Overall Peak Hour

All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians, Bicycles on Crosswalk)

All Movements

ID: 804221, Location: 41.433785, -91.043112



Provided by: Shive-Hattery

222 Third Avenue SE, Suite 300, Cedar Rapids, IA, 52401, US

Leg Direction	Isett Avenue Southwestbound					Cypress Street Northwestbound					E 11th Street Northeastbound					
Time	T	L	U	App	Ped*	R	L	U	App	Ped*	R	T	U	App	Ped*	Int
2020-12-08 3:00PM	20	51	0	71	0	42	21	0	63	0	15	6	0	21	0	155
3:15PM	24	36	0	60	0	62	16	0	78	0	10	9	0	19	0	157
3:30PM	18	48	0	66	0	56	25	0	81	0	16	3	0	19	0	166
3:45PM	16	55	0	71	0	59	14	0	73	0	20	8	0	28	0	172
Total	78	190	0	268	0	219	76	0	295	0	61	26	0	87	0	650
% Approach	29.1%	70.9%	0%	-	-	74.2%	25.8%	0%	-	-	70.1%	29.9%	0%	-	-	-
% Total	12.0%	29.2%	0%	41.2%	-	33.7%	11.7%	0%	45.4%	-	9.4%	4.0%	0%	13.4%	-	-
PHF	0.813	0.864	-	0.944	-	0.883	0.760	-	0.910	-	0.763	0.722	-	0.777	-	0.945
Lights	78	186	0	264	-	213	73	0	286	-	58	25	0	83	-	633
% Lights	100%	97.9%	0%	98.5%	-	97.3%	96.1%	0%	96.9%	-	95.1%	96.2%	0%	95.4%	-	97.4%
Articulated Trucks	0	1	0	1	-	3	0	0	3	-	0	0	0	0	-	4
% Articulated Trucks	0%	0.5%	0%	0.4%	-	1.4%	0%	0%	1.0%	-	0%	0%	0%	0%	-	0.6%
Buses and Single-Unit Trucks	0	3	0	3	-	3	3	0	6	-	3	1	0	4	-	13
% Buses and Single-Unit Trucks	0%	1.6%	0%	1.1%	-	1.4%	3.9%	0%	2.0%	-	4.9%	3.8%	0%	4.6%	-	2.0%
Pedestrians	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

Cypress Street & E 11th Street - TMC

Tue Dec 8, 2020

PM Peak (3 PM - 4 PM) - Overall Peak Hour

All Classes (Lights, Articulated Trucks, Buses and
Single-Unit Trucks, Pedestrians, Bicycles on Crosswalk)

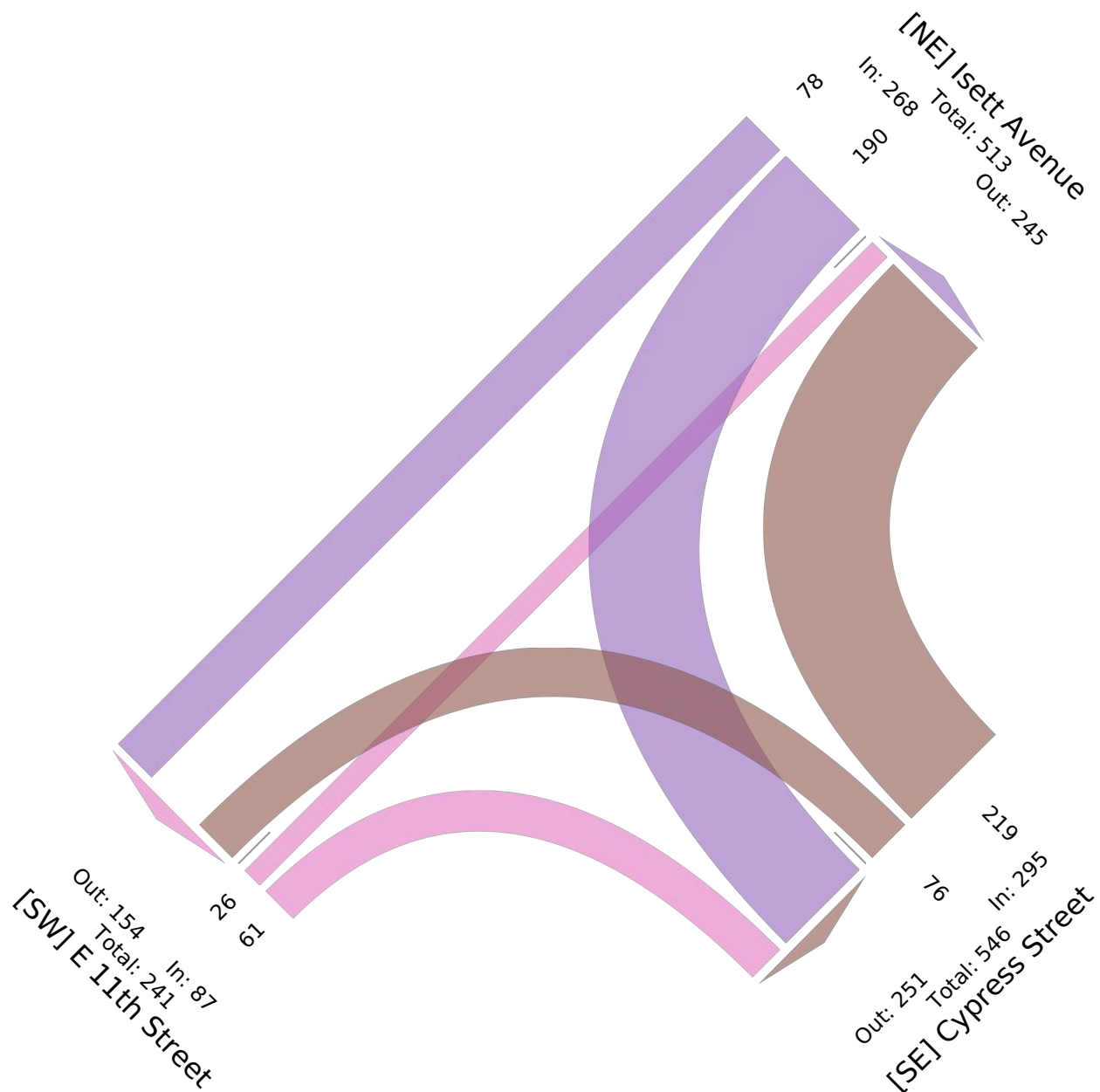
All Movements

ID: 804221, Location: 41.433785, -91.043112

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ARCHITECTURE + ENGINEERING

Provided by: Shive-Hattery

222 Third Avenue SE, Suite 300, Cedar Rapids, IA, 52401, US



Cypress Street & E 10th Street - TMC

Tue Dec 8, 2020

Full Length (12 AM-12 AM (+1))

All Classes (Lights, Articulated Trucks, Buses and Single-Unit

Trucks, Pedestrians, Bicycles on Crosswalk)

All Movements

ID: 804219, Location: 41.432998, -91.042462



Provided by: Shive-Hattery

222 Third Avenue SE, Suite 300, Cedar Rapids, IA, 52401, US

Leg Direction	E 10th Street Southwestbound						Cypress Street Northwestbound						E 10th Street Northeastbound						Cypress Street Southeastbound						
Time	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	Int
2020-12-08 12:00AM	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	0	0	5	0	0	5	0	8
12:15AM	0	0	0	0	0	0	1	3	0	0	4	0	0	0	0	0	0	0	0	2	0	0	2	0	6
12:30AM	0	0	0	0	0	0	0	2	0	0	2	0	1	0	0	0	1	0	0	4	0	0	4	0	7
12:45AM	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	0	0	1	0	0	1	0	4
Hourly Total	0	0	0	0	0	0	1	11	0	0	12	0	1	0	0	0	1	0	0	12	0	0	12	0	25
1:00AM	0	0	0	0	0	0	1	2	0	0	3	0	0	0	0	0	0	0	0	2	0	0	2	0	5
1:15AM	0	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	0	0	2	0	0	2	0	6
1:30AM	0	0	0	0	0	0	1	6	0	0	7	0	0	0	1	0	1	0	0	1	0	0	1	0	9
1:45AM	1	0	0	0	1	0	0	5	0	0	5	0	0	0	0	0	0	0	0	4	0	0	4	0	10
Hourly Total	1	0	0	0	1	0	2	17	0	0	19	0	0	0	1	0	1	0	0	9	0	0	9	0	30
2:00AM	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	1	5	0	0	6	0	7
2:15AM	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	5	0	0	5	0	7
2:30AM	1	0	0	0	1	0	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	4
2:45AM	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	1	0	0	1	0	3
Hourly Total	1	0	0	0	1	0	0	8	0	0	8	0	0	0	0	0	0	0	1	11	0	0	12	0	21
3:00AM	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
3:15AM	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	2	0	0	2	0	3
3:30AM	0	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	0	0	4	0	0	4	0	9
3:45AM	0	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	0	0	10	0	0	10	0	15
Hourly Total	0	0	0	0	0	0	0	13	0	0	13	0	0	0	0	0	0	0	0	16	0	0	16	0	29
4:00AM	0	0	0	0	0	0	0	5	0	0	5	0	0	0	2	0	2	0	0	1	0	0	1	0	8
4:15AM	0	0	0	0	0	1	1	5	0	0	6	0	0	0	0	0	0	0	0	5	0	0	5	0	11
4:30AM	0	0	2	0	2	0	0	10	0	0	10	0	1	0	1	0	2	0	0	10	0	0	10	0	24
4:45AM	0	0	0	0	0	0	1	10	0	0	11	0	1	0	2	0	3	1	0	10	1	0	11	0	25
Hourly Total	0	0	2	0	2	1	2	30	0	0	32	0	2	0	5	0	7	1	0	26	1	0	27	0	68
5:00AM	1	0	2	0	3	0	0	17	1	0	18	0	1	0	0	0	1	0	0	8	0	0	8	0	30
5:15AM	1	0	1	0	2	0	0	15	0	0	15	0	0	0	1	0	1	0	0	9	1	0	10	0	28
5:30AM	0	0	0	0	0	0	0	26	0	0	26	1	1	0	1	0	2	0	0	10	0	0	10	0	38
5:45AM	0	0	1	0	1	0	0	24	0	0	24	0	2	0	1	0	3	0	0	11	0	0	11	0	39
Hourly Total	2	0	4	0	6	0	0	82	1	0	83	1	4	0	3	0	7	0	0	38	1	0	39	0	135
6:00AM	0	0	0	0	0	0	0	16	0	0	16	0	0	1	1	0	2	0	1	14	1	0	16	0	34
6:15AM	1	0	0	0	1	0	0	20	0	0	20	0	0	0	2	0	2	0	1	19	0	0	20	0	43
6:30AM	0	0	1	0	1	0	0	16	1	0	17	0	0	0	1	0	1	0	1	15	0	0	16	0	35
6:45AM	0	0	1	0	1	0	0	30	0	0	30	0	1	0	2	0	3	0	1	20	0	0	21	0	55
Hourly Total	1	0	2	0	3	0	0	82	1	0	83	0	1	1	6	0	8	0	4	68	1	0	73	0	167
7:00AM	0	0	0	0	0	0	0	19	0	0	19	0	1	0	0	0	1	0	0	17	0	0	17	0	37
7:15AM	0	0	0	0	0	0	0	38	0	0	38	0	1	0	2	0	3	0	1	21	0	0	22	0	63
7:30AM	1	0	1	0	2	0	0	63	1	0	64	0	0	0	1	0	1	0	3	34	0	0	37	0	104
7:45AM	0	2	0	0	2	0	1	69	4	0	74	0	2	0	3	0	5	0	5	36	0	0	41	0	122
Hourly Total	1	2	1	0	4	0	1	189	5	0	195	0	4	0	6	0	10	0	9	108	0	0	117	0	326
8:00AM	3	2	0	0	5	0	3	47	3	0	53	0	3	0	7	0	10	0	0	46	0	0	46	0	114
8:15AM	0	0	0	0	0	0	0	26	0	0	26	0	1	0	1	0	2	0	0	41	0	0	41	0	69
8:30AM	1	1	0	0	2	0	0	29	1	0	30	0	1	0	2	0	3	0	0	25	0	0	25	0	60
8:45AM	0	1	0	0	1	0	0	28	1	0	29	1	1	0	0	0	1	0	0	22	0	0	22	0	53
Hourly Total	4	4	0	0	8	0	3	130	5	0	138	1	6	0	10	0	16	0	0	134	0	0	134	0	296
9:00AM	0	0	0	0	0	0	0	28	0	0	28	0	0	0	2	0	2	0	1	24	0	0	25	0	55
9:15AM	1	0	0	0	1	0	1	29	0	0	30	0	0	0	0	0	0	0	1	22	1	0	24	0	55
9:30AM	0	0	0	0	0	0	0	31	0	0	31	0	0	0	0	0	0	0	0	29	1	0	30	0	61
9:45AM	0	0	0	0	0	1	2	37	2	0	41	0	2	0	1	0	3	0	0	27	0	0	27	0	71
Hourly Total	1	0	0	0	1	1	3	125	2	0	130	0	2	0	3	0	5	0	2	102	2	0	106	0	242
10:00AM	0	0	2	0	2	2	0	36	1	0	37	0	3	0	1	0	4	0	0	31	1	0	32	0	75
10:15AM	1	0	0	0	1	1	0	42	0	0	42	0	0	0	1	0	1	0	1	34	0	0	35	0	79
10:30AM	0	0	0	0	0	0	0	41	1	0	42	0	1	0	2	0	3	0	3	31	0	0	34	0	79
10:45AM	2	0	0	0	2	0	2	44	0	0	46	0	0	0	1	0	1	0	1	30	0	0	31	0	80
Hourly Total	3	0	2	0	5	3	2	163	2	0	167	0	4	0	5	0	9	0	5	126	1	0	132	0	313
11:00AM	1	0	0	0	1	0	0	60	2	0	62	1	0	0	3	0	3	1	0	26	0	0	26	0	92
11:15AM	1	0	0	0	1	0	0	48	1	0	49	0	0	0	0	0	0	0	2	27	0	0	29	0	79

Leg Direction	E 10th Street Southwestbound						Cypress Street Northwestbound						E 10th Street Northeastbound						Cypress Street Southeastbound						
Time	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	Int
11:30AM	0	0	1	0	1	1	1	46	1	0	48	0	0	1	2	0	3	0	5	35	0	0	40	0	92
11:45AM	0	0	0	0	0	0	0	44	0	0	44	0	2	0	1	0	3	0	1	47	1	0	49	0	96
Hourly Total	2	0	1	0	3	1	1	198	4	0	203	1	2	1	6	0	9	1	8	135	1	0	144	0	359
12:00PM	0	0	0	0	0	0	0	58	1	0	59	0	3	0	4	0	7	0	3	47	1	0	51	1	117
12:15PM	0	0	0	0	0	0	0	42	3	0	45	1	0	0	2	0	2	0	3	35	0	0	38	0	85
12:30PM	1	0	0	0	1	0	0	35	3	0	38	0	1	0	4	0	5	0	2	51	0	0	53	0	97
12:45PM	0	0	0	0	0	0	0	44	2	0	46	0	0	0	2	0	2	0	3	24	0	0	27	0	75
Hourly Total	1	0	0	0	1	0	0	179	9	0	188	1	4	0	12	0	16	0	11	157	1	0	169	1	374
1:00PM	1	0	1	0	2	0	1	39	1	0	41	0	1	0	1	0	2	0	0	39	0	0	39	0	84
1:15PM	1	0	1	0	2	0	1	58	2	0	61	0	2	0	0	0	2	0	0	44	1	0	45	0	110
1:30PM	0	0	1	0	1	1	1	49	3	0	53	0	2	0	1	0	3	0	0	46	1	0	47	0	104
1:45PM	0	1	0	0	1	0	0	46	4	0	50	0	4	1	1	0	6	0	0	41	0	0	41	0	98
Hourly Total	2	1	3	0	6	1	3	192	10	0	205	0	9	1	3	0	13	0	0	170	2	0	172	0	396
2:00PM	0	0	2	0	2	0	2	55	0	0	57	0	0	1	1	0	2	0	0	36	2	0	38	0	99
2:15PM	0	0	1	0	1	0	1	48	2	0	51	0	1	0	2	0	3	0	1	48	0	0	49	0	104
2:30PM	1	0	2	0	3	0	1	47	0	0	48	0	1	0	0	0	1	1	1	54	1	0	56	0	108
2:45PM	3	2	1	0	6	0	2	48	1	0	51	1	0	1	0	0	1	0	0	52	0	0	52	0	110
Hourly Total	4	2	6	0	12	0	6	198	3	0	207	1	2	2	3	0	7	1	2	190	3	0	195	0	421
3:00PM	0	1	0	0	1	2	1	64	3	0	68	1	0	3	2	0	5	0	2	64	0	0	66	0	140
3:15PM	1	0	0	0	1	0	3	78	1	0	82	0	4	0	1	0	5	0	2	44	0	0	46	0	134
3:30PM	0	0	2	0	2	1	1	74	0	0	75	0	2	0	4	0	6	0	4	57	2	0	63	0	146
3:45PM	0	0	0	0	0	0	5	74	1	0	80	0	3	1	0	0	4	0	1	73	1	0	75	0	159
Hourly Total	1	1	2	0	4	3	10	290	5	0	305	1	9	4	7	0	20	0	9	238	3	0	250	0	579
4:00PM	0	1	1	0	2	0	0	60	0	0	60	0	1	0	3	0	4	0	0	65	0	0	65	0	131
4:15PM	1	1	0	0	2	0	1	48	1	0	50	0	1	0	3	0	4	0	1	64	0	0	65	0	121
4:30PM	0	0	0	0	0	0	1	60	3	0	64	0	0	0	1	0	1	0	0	47	0	0	47	0	112
4:45PM	1	1	0	0	2	0	1	64	1	0	66	0	0	0	1	0	1	0	0	44	3	0	47	0	116
Hourly Total	2	3	1	0	6	0	3	232	5	0	240	0	2	0	8	0	10	0	1	220	3	0	224	0	480
5:00PM	0	0	1	0	1	0	1	51	2	0	54	0	1	0	0	0	1	0	1	63	3	0	67	0	123
5:15PM	1	0	1	0	2	0	1	54	2	0	57	0	2	0	0	0	2	0	3	48	3	0	54	0	115
5:30PM	0	0	1	0	1	0	0	57	1	0	58	0	2	0	1	0	3	0	1	48	1	0	50	0	112
5:45PM	0	0	0	0	0	1	0	51	1	0	52	0	1	0	4	0	5	0	3	37	1	0	41	0	98
Hourly Total	1	0	3	0	4	1	2	213	6	0	221	0	6	0	5	0	11	0	8	196	8	0	212	0	448
6:00PM	0	0	1	0	1	0	1	41	2	0	44	0	3	0	1	0	4	0	1	40	1	0	42	0	91
6:15PM	1	1	2	0	4	0	2	32	4	0	38	0	0	0	2	0	2	0	2	35	1	0	38	0	82
6:30PM	0	0	0	0	0	0	0	35	1	0	36	0	0	0	2	0	2	0	0	34	0	0	34	0	72
6:45PM	2	0	0	0	2	0	1	37	1	0	39	0	0	0	2	0	2	0	3	29	0	0	32	0	75
Hourly Total	3	1	3	0	7	0	4	145	8	0	157	0	3	0	7	0	10	0	6	138	2	0	146	0	320
7:00PM	0	1	0	0	1	0	0	27	1	0	28	0	0	0	2	0	2	0	2	22	0	0	24	0	55
7:15PM	1	0	1	0	2	1	1	28	2	0	31	0	1	0	1	0	2	0	0	19	1	0	20	0	55
7:30PM	0	0	0	0	0	0	0	28	1	0	29	0	1	0	1	0	2	0	0	26	0	0	26	0	57
7:45PM	1	0	0	0	1	0	0	23	1	0	24	0	1	0	1	0	2	0	1	22	0	0	23	0	50
Hourly Total	2	1	1	0	4	1	1	106	5	0	112	0	3	0	5	0	8	0	3	89	1	0	93	0	217
8:00PM	0	0	0	0	0	1	0	21	1	0	22	0	1	0	0	0	1	0	3	20	0	0	23	0	46
8:15PM	0	0	0	0	0	0	0	17	2	0	19	0	2	0	1	0	3	0	0	22	0	0	22	0	44
8:30PM	0	0	0	0	0	0	0	17	1	0	18	0	0	0	0	0	0	0	0	18	0	0	18	0	36
8:45PM	1	0	0	0	1	0	0	19	0	0	19	0	2	0	1	0	3	0	0	13	0	0	13	0	36
Hourly Total	1	0	0	0	1	1	0	74	4	0	78	0	5	0	2	0	7	0	3	73	0	0	76	0	162
9:00PM	0	0	0	0	0	0	0	18	1	0	19	0	1	0	0	0	1	0	1	13	0	0	14	0	34
9:15PM	0	0	0	0	0	0	1	14	0	0	15	0	0	0	2	0	2	0	1	12	1	0	14	0	31
9:30PM	0	0	1	0	1	0	0	10	0	0	10	0	1	0	1	0	2	0	0	11	0	0	11	0	24
9:45PM	0	0	0	0	0	1	1	11	0	0	12	0	2	0	0	0	2	0	0	9	0	0	9	0	23
Hourly Total	0	0	1	0	1	1	2	53	1	0	56	0	4	0	3	0	7	0	2	45	1	0	48	0	112
10:00PM	0	0	1	0	1	0	1	13	1	0	15	0	0	0	0	0	0	0	1	17	0	0	18	0	34
10:15PM	0	0	0	0	0	0	0	7	0	0	7	0	0	0	1	0	1	0	0	14	0	0	14	0	22
10:30PM	0	0	0	0	0	0	0	11	0	0	11	0	0	0	0	0	0	0	1	10	0	0	11	0	22
10:45PM	0	0	0	0	0	0	0	3	1	0	4	0	0	0	0	0	0	0	0	7	0	0	7	0	11
Hourly Total	0	0	1	0	1	0	1	34	2	0	37	0	0	0	1	0	1	0	2	48	0	0	50	0	89
11:00PM	0	0	0	0	0	0	1	4	0	0	5	0	0	0	0	0	0	0	1	2	0	0	3	0	8
11:15PM	0	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	0	0	4	0	0	4	0	8
11:30PM	0	0	0	0	0	0	0	9	0	0	9	0	0	0	0	0	0	0	2	3	0	0	5	0	14
11:45PM	0	0	0	0	0	0	0	7	1	0	8	0	0	2	0	0	2	0	0	5	0	0	5	0	15
Hourly Total	0	0	0	0	0	0	1	24	1	0	26	0	0	2	0	0	2	0	3	14	0	0	17	0	45
Total	33	15	33	0	81	14	48	2788	79	0	2915	6	73	11	101	0	185	3	79	2363	31	0	2473	1	5654
% Approach	40.7%	18.5%	40.7%	0%	-	-	1.6%	95.6%	2.7%	0%	-	-	39.5%	5.9%	54.6%	0%	-	-	3.2%	95.6%	1.3%	0%	-	-	-

Leg Direction	E 10th Street Southwestbound							Cypress Street Northwestbound							E 10th Street Northeastbound							Cypress Street Southeastbound							
Time	R	T	L	U	App	Ped*		R	T	L	U	App	Ped*		R	T	L	U	App	Ped*		R	T	L	U	App	Ped*	Int	
% Total	0.6%	0.3%	0.6%	0%	1.4%	-		0.8%	49.3%	1.4%	0%	51.6%	-		1.3%	0.2%	1.8%	0%	3.3%	-		1.4%	41.8%	0.5%	0%	43.7%	-		-
Lights	32	15	33	0	80	-		48	2715	79	0	2842	-		71	10	101	0	182	-		79	2291	30	0	2400	-		5504
% Lights	97.0%	100%	100%	0%	98.8%	-		100%	97.4%	100%	0%	97.5%	-		97.3%	90.9%	100%	0%	98.4%	-		100%	97.0%	96.8%	0%	97.0%	-		97.3%
Articulated Trucks	0	0	0	0	0	-		0	35	0	0	35	-		0	0	0	0	0	-		0	36	0	0	36	-		71
% Articulated Trucks	0%	0%	0%	0%	0%	-		0%	1.3%	0%	0%	1.2%	-		0%	0%	0%	0%	0%	-		0%	1.5%	0%	0%	1.5%	-		1.3%
Buses and Single-Unit Trucks	1	0	0	0	1	-		0	38	0	0	38	-		2	1	0	0	3	-		0	36	1	0	37	-		79
% Buses and Single-Unit Trucks	3.0%	0%	0%	0%	1.2%	-		0%	1.4%	0%	0%	1.3%	-		2.7%	9.1%	0%	0%	1.6%	-		0%	1.5%	3.2%	0%	1.5%	-		1.4%
Pedestrians	-	-	-	-	-	14		-	-	-	-	-	6		-	-	-	-	-	3		-	-	-	-	-	1		
% Pedestrians	-	-	-	-	-	100%		-	-	-	-	-	100%		-	-	-	-	-	100%		-	-	-	-	-	100%		-
Bicycles on Crosswalk	-	-	-	-	-	0		-	-	-	-	-	0		-	-	-	-	-	0		-	-	-	-	-	0		
% Bicycles on Crosswalk	-	-	-	-	-	0%		-	-	-	-	-	0%		-	-	-	-	-	0%		-	-	-	-	-	0%		-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

Cypress Street & E 10th Street - TMC

Tue Dec 8, 2020

Full Length (12 AM-12 AM (+1))

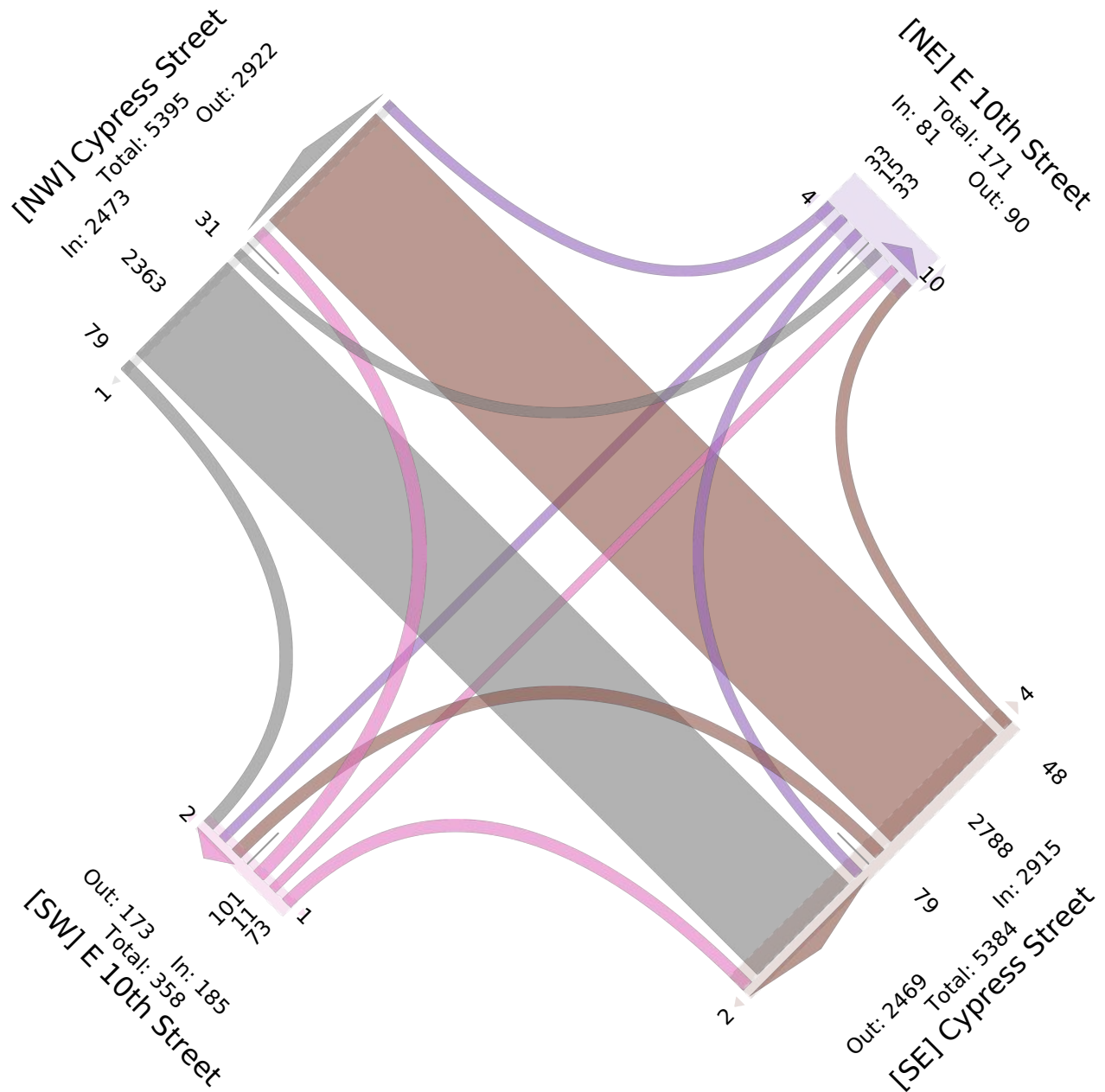
All Classes (Lights, Articulated Trucks, Buses and
Single-Unit Trucks, Pedestrians, Bicycles on Crosswalk)

All Movements

ID: 804219, Location: 41.432998, -91.042462

SHIVEHATTERY
ARCHITECTURE + ENGINEERING

Provided by: Shive-Hattery
222 Third Avenue SE, Suite 300, Cedar Rapids, IA, 52401, US



Cypress Street & E 10th Street - TMC

Tue Dec 8, 2020

AM Peak (7:30 AM - 8:30 AM)

All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians, Bicycles on Crosswalk)

All Movements

ID: 804219, Location: 41.432998, -91.042462



Provided by: Shive-Hattery

222 Third Avenue SE, Suite 300, Cedar Rapids, IA, 52401, US

Leg Direction	E 10th Street Southwestbound						Cypress Street Northwestbound						E 10th Street Northeastbound						Cypress Street Southeastbound						
Time	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	Int
2020-12-08 7:30AM	1	0	1	0	2	0	0	63	1	0	64	0	0	0	1	0	1	0	3	34	0	0	37	0	104
7:45AM	0	2	0	0	2	0	1	69	4	0	74	0	2	0	3	0	5	0	5	36	0	0	41	0	122
8:00AM	3	2	0	0	5	0	3	47	3	0	53	0	3	0	7	0	10	0	0	46	0	0	46	0	114
8:15AM	0	0	0	0	0	0	0	26	0	0	26	0	1	0	1	0	2	0	0	41	0	0	41	0	69
Total	4	4	1	0	9	0	4	205	8	0	217	0	6	0	12	0	18	0	8	157	0	0	165	0	409
% Approach	44.4%	44.4%	11.1%	0%	-	-	1.8%	94.5%	3.7%	0%	-	-	33.3%	0%	66.7%	0%	-	-	4.8%	95.2%	0%	0%	-	-	-
% Total	1.0%	1.0%	0.2%	0%	2.2%	-	1.0%	50.1%	2.0%	0%	53.1%	-	1.5%	0%	2.9%	0%	4.4%	-	2.0%	38.4%	0%	0%	40.3%	-	-
PHF	0.333	0.500	0.250	-	0.450	-	0.333	0.743	0.500	-	0.733	-	0.500	-	0.429	-	0.450	-	0.400	0.853	-	-	0.897	-	0.838
Lights	3	4	1	0	8	-	4	201	8	0	213	-	6	0	12	0	18	-	8	147	0	0	155	-	394
% Lights	75.0%	100%	100%	0%	88.9%	-	100%	98.0%	100%	0%	98.2%	-	100%	0%	100%	0%	100%	-	100%	93.6%	0%	0%	93.9%	-	96.3%
Articulated Trucks	0	0	0	0	0	-	0	1	0	0	1	-	0	0	0	0	0	-	0	4	0	0	4	-	5
% Articulated Trucks	0%	0%	0%	0%	0%	-	0%	0.5%	0%	0%	0.5%	-	0%	0%	0%	0%	0%	-	0%	2.5%	0%	0%	2.4%	-	1.2%
Buses and Single-Unit Trucks	1	0	0	0	1	-	0	3	0	0	3	-	0	0	0	0	0	-	0	6	0	0	6	-	10
% Buses and Single-Unit Trucks	25.0%	0%	0%	0%	11.1%	-	0%	1.5%	0%	0%	1.4%	-	0%	0%	0%	0%	0%	-	0%	3.8%	0%	0%	3.6%	-	2.4%
Pedestrians	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

Cypress Street & E 10th Street - TMC

Tue Dec 8, 2020

AM Peak (7:30 AM - 8:30 AM)

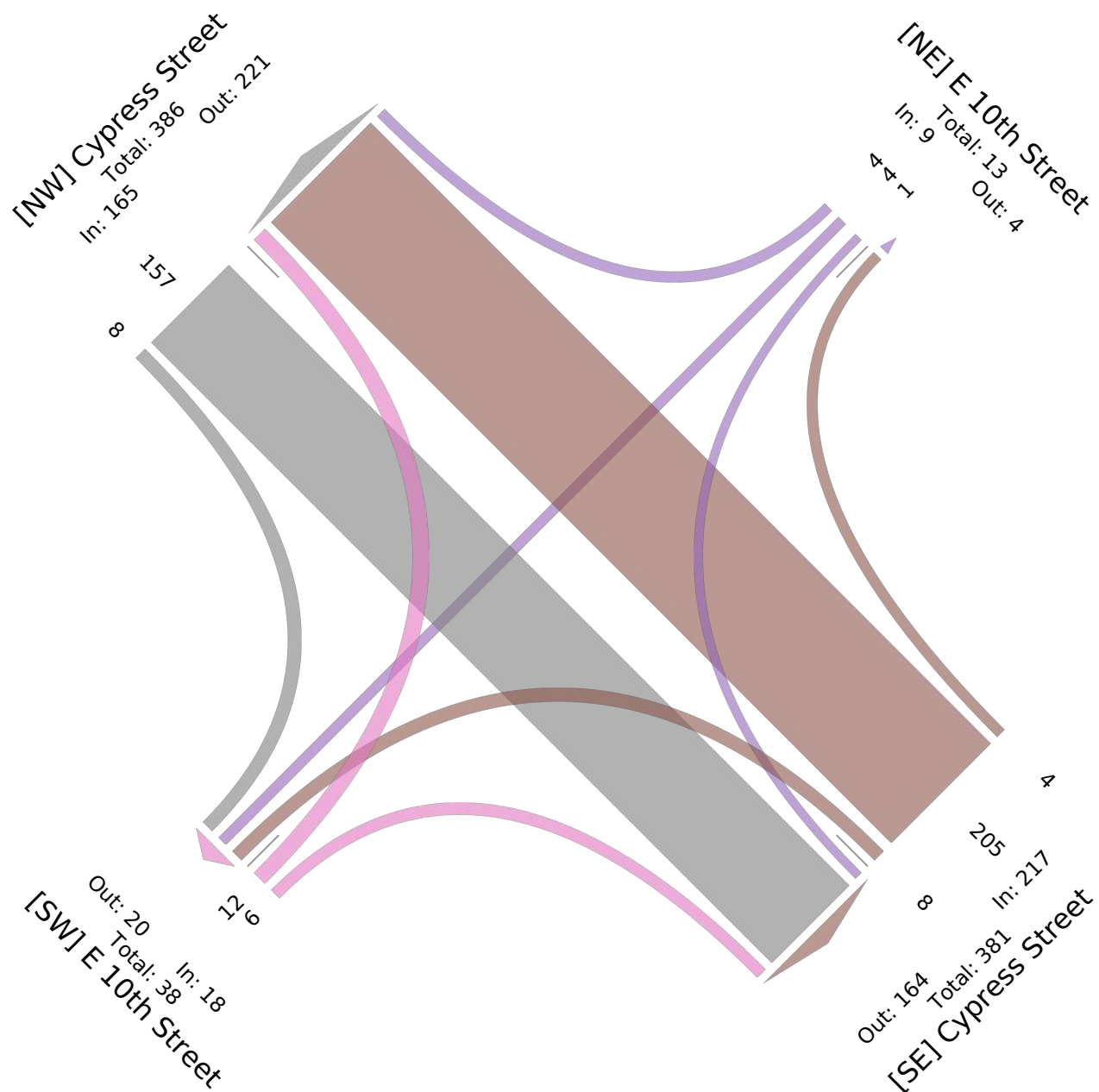
All Classes (Lights, Articulated Trucks, Buses and
Single-Unit Trucks, Pedestrians, Bicycles on Crosswalk)
All Movements

ID: 804219, Location: 41.432998, -91.042462

SHIVEHATTERY
ARCHITECTURE+ENGINEERING

Provided by: Shive-Hattery

222 Third Avenue SE, Suite 300, Cedar Rapids, IA, 52401, US



Cypress Street & E 10th Street - TMC

Tue Dec 8, 2020

Midday Peak (11:45 AM - 12:45 PM)

All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians, Bicycles on Crosswalk)

All Movements

ID: 804219, Location: 41.432998, -91.042462



Provided by: Shive-Hattery

222 Third Avenue SE, Suite 300, Cedar Rapids, IA, 52401, US

Leg Direction	E 10th Street Southwestbound						Cypress Street Northwestbound						E 10th Street Northeastbound						Cypress Street Southeastbound						
Time	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	Int
2020-12-08 11:45AM	0	0	0	0	0	0	0	44	0	0	44	0	2	0	1	0	3	0	1	47	1	0	49	0	96
12:00PM	0	0	0	0	0	0	0	58	1	0	59	0	3	0	4	0	7	0	3	47	1	0	51	1	117
12:15PM	0	0	0	0	0	0	0	42	3	0	45	1	0	0	2	0	2	0	3	35	0	0	38	0	85
12:30PM	1	0	0	0	1	0	0	35	3	0	38	0	1	0	4	0	5	0	2	51	0	0	53	0	97
Total	1	0	0	0	1	0	0	179	7	0	186	1	6	0	11	0	17	0	9	180	2	0	191	1	395
% Approach	100%	0%	0%	0%	-	-	0%	96.2%	3.8%	0%	-	-	35.3%	0%	64.7%	0%	-	-	4.7%	94.2%	1.0%	0%	-	-	-
% Total	0.3%	0%	0%	0%	0.3%	-	0%	45.3%	1.8%	0%	47.1%	-	1.5%	0%	2.8%	0%	4.3%	-	2.3%	45.6%	0.5%	0%	48.4%	-	-
PHF	0.250	-	-	-	0.250	-	-	0.772	0.583	-	0.788	-	0.500	-	0.688	-	0.607	-	0.750	0.882	0.500	-	0.901	-	0.844
Lights	1	0	0	0	1	-	0	174	7	0	181	-	6	0	11	0	17	-	9	173	2	0	184	-	383
% Lights	100%	0%	0%	0%	100%	-	0%	97.2%	100%	0%	97.3%	-	100%	0%	100%	0%	100%	-	100%	96.1%	100%	0%	96.3%	-	97.0%
Articulated Trucks	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	4	0	0	4	-	4
% Articulated Trucks	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	2.2%	0%	0%	2.1%	-	1.0%
Buses and Single-Unit Trucks	0	0	0	0	0	-	0	5	0	0	5	-	0	0	0	0	0	-	0	3	0	0	3	-	8
% Buses and Single-Unit Trucks	0%	0%	0%	0%	0%	-	0%	2.8%	0%	0%	2.7%	-	0%	0%	0%	0%	0%	-	0%	1.7%	0%	0%	1.6%	-	2.0%
Pedestrians	-	-	-	-	-	0	-	-	-	-	-	1	-	-	-	-	-	0	-	-	-	-	-	1	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	100%	-	-	-	-	-	-	-	-	-	-	-	100%	-
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	0%	-	-	-	-	-	-	-	-	-	-	-	0%	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

Cypress Street & E 10th Street - TMC

Tue Dec 8, 2020

Midday Peak (11:45 AM - 12:45 PM)

All Classes (Lights, Articulated Trucks, Buses and
Single-Unit Trucks, Pedestrians, Bicycles on Crosswalk)

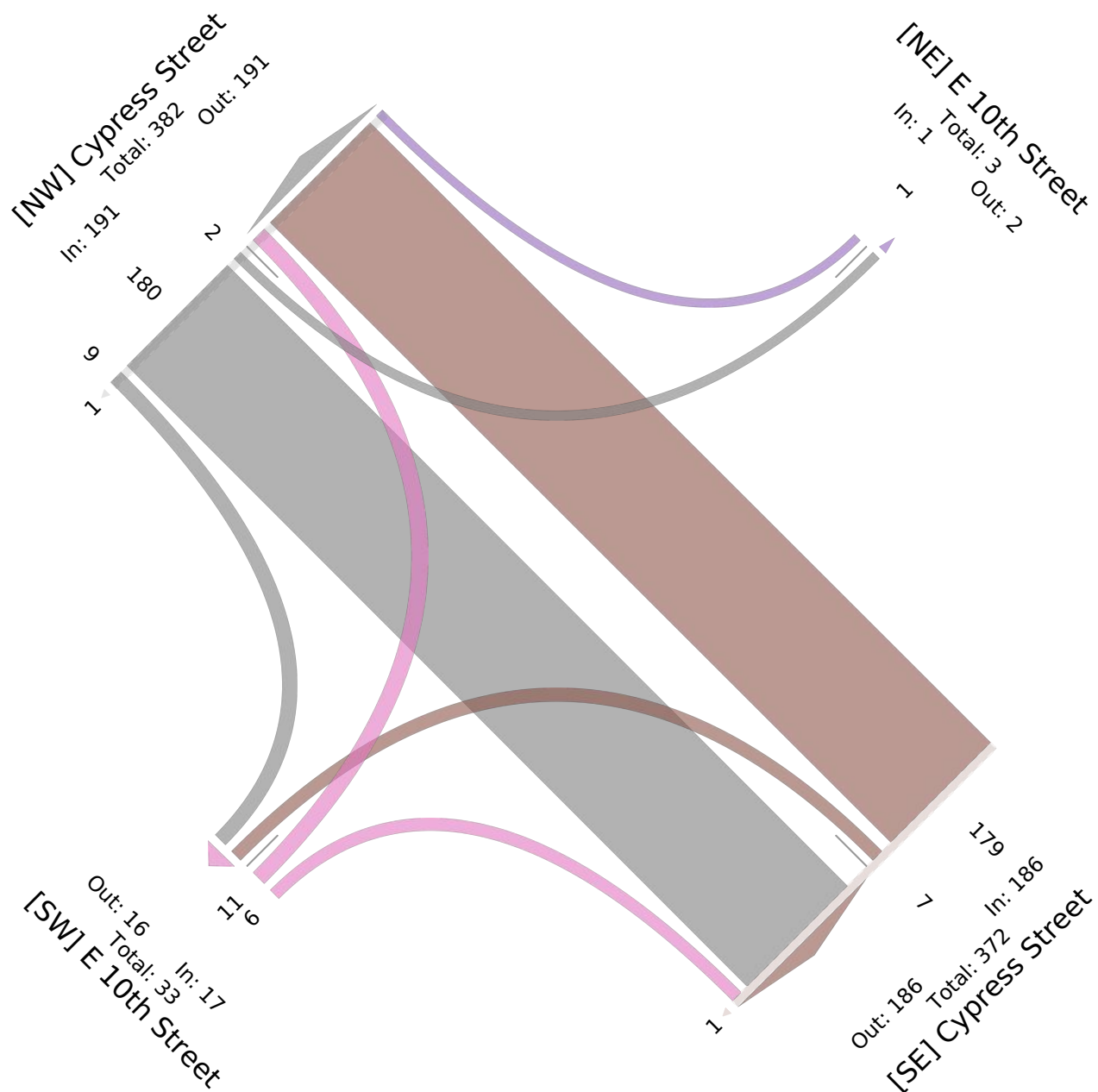
All Movements

ID: 804219, Location: 41.432998, -91.042462

SHIVEHATTERY
ARCHITECTURE + ENGINEERING

Provided by: Shive-Hattery

222 Third Avenue SE, Suite 300, Cedar Rapids, IA, 52401, US



Cypress Street & E 10th Street - TMC

Tue Dec 8, 2020

PM Peak (3 PM - 4 PM) - Overall Peak Hour

All Classes (Lights, Articulated Trucks, Buses and Single-Unit

Trucks, Pedestrians, Bicycles on Crosswalk)

All Movements

ID: 804219, Location: 41.432998, -91.042462

SHIVE-HATTERY

ARCHITECTURE + ENGINEERING

Provided by: Shive-Hattery

222 Third Avenue SE, Suite 300, Cedar Rapids, IA, 52401, US

Leg Direction	E 10th Street Southwestbound						Cypress Street Northwestbound						E 10th Street Northeastbound						Cypress Street Southeastbound						
Time	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	Int
2020-12-08 3:00PM	0	1	0	0	1	2	1	64	3	0	68	1	0	3	2	0	5	0	2	64	0	0	66	0	140
3:15PM	1	0	0	0	1	0	3	78	1	0	82	0	4	0	1	0	5	0	2	44	0	0	46	0	134
3:30PM	0	0	2	0	2	1	1	74	0	0	75	0	2	0	4	0	6	0	4	57	2	0	63	0	146
3:45PM	0	0	0	0	0	0	5	74	1	0	80	0	3	1	0	0	4	0	1	73	1	0	75	0	159
Total	1	1	2	0	4	3	10	290	5	0	305	1	9	4	7	0	20	0	9	238	3	0	250	0	579
% Approach	25.0%	25.0%	50.0%	0%	-	-	3.3%	95.1%	1.6%	0%	-	-	45.0%	20.0%	35.0%	0%	-	-	3.6%	95.2%	1.2%	0%	-	-	-
% Total	0.2%	0.2%	0.3%	0%	0.7%	-	1.7%	50.1%	0.9%	0%	52.7%	-	1.6%	0.7%	1.2%	0%	3.5%	-	1.6%	41.1%	0.5%	0%	43.2%	-	-
PHF	0.250	0.250	0.250	-	0.500	-	0.500	0.929	0.417	-	0.930	-	0.563	0.333	0.438	-	0.833	-	0.563	0.815	0.375	-	0.833	-	0.910
Lights	1	1	2	0	4	-	10	281	5	0	296	-	9	3	7	0	19	-	9	232	2	0	243	-	562
% Lights	100%	100%	100%	0%	100%	-	100%	96.9%	100%	0%	97.0%	-	100%	75.0%	100%	0%	95.0%	-	100%	97.5%	66.7%	0%	97.2%	-	97.1%
Articulated Trucks	0	0	0	0	0	-	0	3	0	0	3	-	0	0	0	0	0	-	0	2	0	0	2	-	5
% Articulated Trucks	0%	0%	0%	0%	0%	-	0%	1.0%	0%	0%	1.0%	-	0%	0%	0%	0%	0%	-	0%	0.8%	0%	0%	0.8%	-	0.9%
Buses and Single-Unit Trucks	0	0	0	0	0	-	0	6	0	0	6	-	0	1	0	0	1	-	0	4	1	0	5	-	12
% Buses and Single-Unit Trucks	0%	0%	0%	0%	0%	-	0%	2.1%	0%	0%	2.0%	-	0%	25.0%	0%	0%	5.0%	-	0%	1.7%	33.3%	0%	2.0%	-	2.1%
Pedestrians	-	-	-	-	-	3	-	-	-	-	-	1	-	-	-	-	-	0	-	-	-	-	-	0	
% Pedestrians	-	-	-	-	-	100%	-	-	-	-	-	100%	-	-	-	-	-	-	-	-	-	-	-	-	
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	
% Bicycles on Crosswalk	-	-	-	-	-	0%	-	-	-	-	-	0%	-	-	-	-	-	-	-	-	-	-	-	-	

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

Cypress Street & E 10th Street - TMC

Tue Dec 8, 2020

PM Peak (3 PM - 4 PM) - Overall Peak Hour

All Classes (Lights, Articulated Trucks, Buses and
Single-Unit Trucks, Pedestrians, Bicycles on Crosswalk)

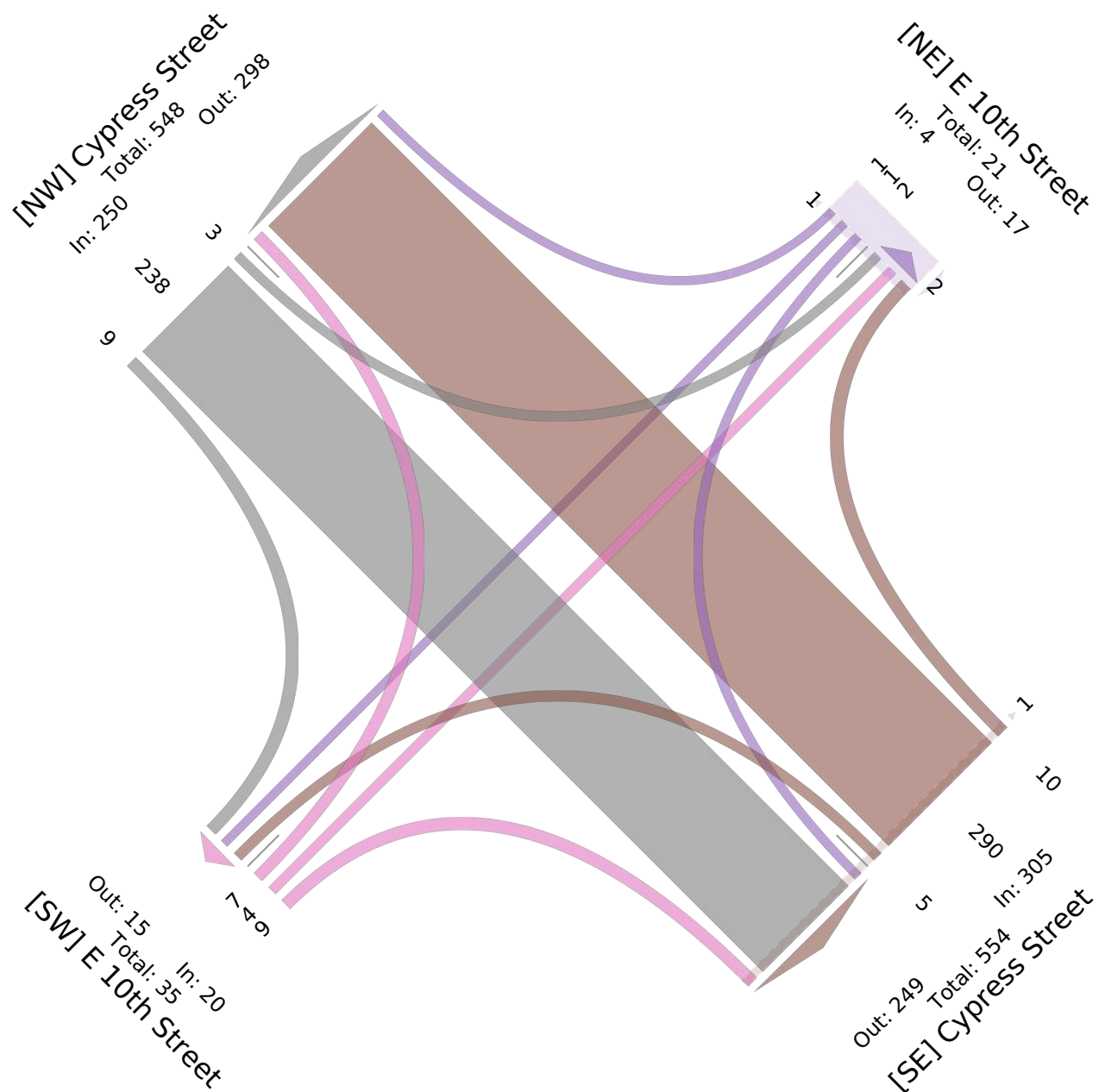
All Movements

ID: 804219, Location: 41.432998, -91.042462

SHIVEHATTERY
ARCHITECTURE+ENGINEERING

Provided by: Shive-Hattery

222 Third Avenue SE, Suite 300, Cedar Rapids, IA, 52401, US



Cypress Street & E 9th Street - TMC

Thu Dec 10, 2020

Full Length (12 AM-12 AM (+1))

All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians, Bicycles on Crosswalk)

All Movements

ID: 804795, Location: 41.432196, -91.041653

Provided by: Shive-Hattery
222 Third Avenue SE, Suite 300, Cedar Rapids, IA, 52401, US

Leg Direction	E 9th Street Southwestbound						Cypress Street Northwestbound						E 9th Street Northeastbound						Cypress Street Southeastbound						
Time	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	Int
2020-12-10 12:00AM	1	0	7	0	8	0	1	5	0	0	6	0	0	0	0	0	0	0	0	3	0	0	3	0	17
12:15AM	2	1	1	0	4	0	1	8	0	0	9	0	0	0	0	0	0	0	0	4	1	0	5	0	18
12:30AM	0	1	2	0	3	0	2	4	0	0	6	0	0	0	0	0	0	0	0	0	1	0	1	0	10
12:45AM	0	0	2	0	2	0	0	4	0	0	4	0	0	0	0	0	0	0	0	2	1	0	3	0	9
Hourly Total	3	2	12	0	17	0	4	21	0	0	25	0	0	0	0	0	0	0	0	9	3	0	12	0	54
1:00AM	0	0	3	0	3	0	0	4	0	0	4	0	0	0	0	0	0	0	1	1	0	0	2	0	9
1:15AM	0	0	5	0	5	0	3	5	0	0	8	0	0	1	0	0	1	0	0	5	0	0	5	0	19
1:30AM	0	2	4	0	6	0	4	5	0	0	9	0	0	0	0	0	0	1	0	0	0	0	0	0	15
1:45AM	0	0	3	0	3	1	2	1	0	0	3	1	0	1	0	0	1	0	0	2	0	0	2	0	9
Hourly Total	0	2	15	0	17	1	9	15	0	0	24	1	0	2	0	0	2	1	1	8	0	0	9	0	52
2:00AM	1	1	1	0	3	0	0	1	0	0	1	0	0	0	0	0	0	0	0	2	0	0	2	0	6
2:15AM	0	0	3	0	3	1	2	2	0	0	4	0	0	1	0	0	1	3	0	2	1	0	3	1	11
2:30AM	0	0	1	0	1	3	2	0	0	0	2	0	0	1	0	0	1	3	0	1	0	0	1	3	5
2:45AM	0	0	1	0	1	0	7	2	0	0	9	0	0	0	1	0	1	0	0	1	0	0	1	0	12
Hourly Total	1	1	6	0	8	4	11	5	0	0	16	0	0	2	1	0	3	6	0	6	1	0	7	4	34
3:00AM	0	0	1	0	1	0	1	2	1	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	5
3:15AM	0	0	2	0	2	0	5	1	0	0	6	0	1	0	0	0	1	0	0	0	0	0	0	0	9
3:30AM	0	0	2	0	2	0	6	7	0	0	13	0	0	0	0	0	0	0	0	3	0	0	3	0	18
3:45AM	3	0	5	0	8	0	5	2	0	0	7	0	0	1	0	0	1	0	0	7	0	0	7	0	23
Hourly Total	3	0	10	0	13	0	17	12	1	0	30	0	1	1	0	0	2	0	0	10	0	0	10	0	55
4:00AM	0	0	3	0	3	0	5	3	0	0	8	0	0	2	0	0	2	1	0	4	1	0	5	0	18
4:15AM	0	0	3	0	3	3	8	11	0	0	19	3	0	0	1	0	1	0	0	5	1	0	6	0	29
4:30AM	3	0	12	0	15	1	14	7	0	0	21	1	0	0	0	0	0	0	0	12	4	0	16	0	52
4:45AM	2	0	8	0	10	0	8	14	0	0	22	0	0	0	0	0	0	1	0	5	1	0	6	0	38
Hourly Total	5	0	26	0	31	4	35	35	0	0	70	4	0	2	1	0	3	2	0	26	7	0	33	0	137
5:00AM	1	0	2	0	3	0	6	11	0	0	17	0	0	0	1	0	1	0	0	6	2	0	8	0	29
5:15AM	2	0	4	0	6	0	9	17	0	0	26	0	0	0	0	0	0	0	0	8	0	0	8	0	40
5:30AM	6	0	5	0	11	0	7	15	0	0	22	0	0	0	0	0	0	1	0	5	1	0	6	0	39
5:45AM	8	0	6	0	14	1	9	22	0	0	31	0	0	0	0	0	0	0	0	10	2	0	12	0	57
Hourly Total	17	0	17	0	34	1	31	65	0	0	96	0	0	0	1	0	1	1	0	29	5	0	34	0	165
6:00AM	2	0	8	0	10	0	7	13	0	0	20	0	1	1	0	0	2	0	0	9	7	0	16	0	48
6:15AM	7	0	14	0	21	0	12	11	0	0	23	0	0	0	0	0	0	0	0	26	3	0	29	0	73
6:30AM	11	0	14	0	25	0	15	13	0	0	28	1	0	0	1	0	1	0	0	14	1	0	15	0	69
6:45AM	9	0	8	0	17	0	19	19	0	0	38	0	0	0	0	0	0	0	0	15	6	0	21	0	76
Hourly Total	29	0	44	0	73	0	53	56	0	0	109	1	1	1	1	0	3	0	0	64	17	0	81	0	266
7:00AM	8	2	5	0	15	0	11	15	0	0	26	0	0	0	2	0	2	0	0	12	8	0	20	0	63
7:15AM	12	0	15	0	27	0	14	15	0	0	29	0	0	0	0	0	0	0	0	15	5	0	20	0	76
7:30AM	28	0	23	0	51	0	26	32	0	0	58	0	0	2	0	0	2	0	1	20	10	0	31	0	142
7:45AM	35	0	17	0	52	0	41	35	0	0	76	0	0	1	0	0	1	0	1	24	11	0	36	0	165
Hourly Total	83	2	60	0	145	0	92	97	0	0	189	0	0	3	2	0	5	0	2	71	34	0	107	0	446
8:00AM	23	1	20	0	44	0	25	30	0	0	55	0	0	1	0	0	1	3	0	34	7	0	41	4	141
8:15AM	8	0	24	0	32	0	28	28	0	0	56	0	0	1	0	0	1	0	1	26	12	0	39	0	128
8:30AM	9	0	18	0	27	1	22	15	0	0	37	1	0	1	0	0	1	1	0	23	6	0	29	1	94
8:45AM	7	0	13	0	20	0	23	24	1	0	48	0	0	2	1	0	3	0	0	24	9	0	33	0	104
Hourly Total	47	1	75	0	123	1	98	97	1	0	196	1	0	5	1	0	6	4	1	107	34	0	142	5	467
9:00AM	12	0	17	0	29	0	19	22	1	0	42	0	0	2	0	0	2	0	0	26	5	0	31	0	104
9:15AM	7	1	16	0	24	0	22	16	0	0	38	0	0	1	0	0	1	0	1	15	5	0	21	0	84
9:30AM	11	0	18	0	29	0	22	25	1	0	48	0	0	0	0	0	0	0	1	16	6	0	23	0	100
9:45AM	12	1	24	0	37	0	21	22	1	0	44	0	0	1	1	0	2	0	1	33	4	0	38	0	121
Hourly Total	42	2	75	0	119	0	84	85	3	0	172	0	0	4	1	0	5	0	3	90	20	0	113	0	409
10:00AM	10	0	19	0	29	1	24	25	2	0	51	0	0	1	0	0	1	0	2	27	11	0	40	0	121
10:15AM	13	0	20	0	33	0	27	30	0	0	57	0	2	1	1	0	4	0	0	20	7	0	27	0	121
10:30AM	12	0	15	0	27	0	18	29	1	0	48	0	2	2	0	0	4	0	2	16	2	0	20	0	99
10:45AM	5	2	22	0	29	1	25	35	0	0	60	0	2	1	0	0	3	0	3	27	5	0	35	0	127
Hourly Total	40	2	76	0	118	2	94	119	3	0	216	0	6	5	1	0	12	0	7	90	25	0	122	0	468
11:00AM	13	2	24	0	39	0	26	26	0	0	52	0	1	0	1	0	2	0	0	29	9	0	38	0	131
11:15AM	14	2	15	0	31	0	28	40	1	0	69	0	1	2	1	0	4	1	1	35	5	0	41	1	145
11:30AM	14	0	19	0	33	0	45	30	0	0	75	0	0	1	0	0	1	0	0	36	13	0	49	0	158

Leg Direction	E 9th Street Southwestbound						Cypress Street Northwestbound						E 9th Street Northeastbound						Cypress Street Southeastbound						
Time	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	Int
11:45AM	17	1	22	0	40	0	32	37	1	0	70	0	3	1	0	0	4	1	1	24	7	0	32	0	146
Hourly Total	58	5	80	0	143	0	131	133	2	0	266	0	5	4	2	0	11	2	2	124	34	0	160	1	580
12:00PM	17	1	23	0	41	0	21	34	0	0	55	0	2	2	1	0	5	0	0	37	9	0	46	0	147
12:15PM	15	2	27	0	44	0	28	35	1	0	64	0	2	2	1	0	5	0	1	34	10	0	45	0	158
12:30PM	18	2	27	0	47	1	27	22	0	0	49	0	0	2	0	0	2	2	1	32	8	0	41	0	139
12:45PM	18	1	38	0	57	0	28	45	1	0	74	1	1	2	1	0	4	1	0	31	13	0	44	0	179
Hourly Total	68	6	115	0	189	1	104	136	2	0	242	1	5	8	3	0	16	3	2	134	40	0	176	0	623
1:00PM	12	0	21	0	33	0	24	34	1	0	59	3	1	2	2	0	5	0	3	37	13	0	53	0	150
1:15PM	13	0	19	0	32	0	28	29	1	0	58	0	1	0	1	0	2	0	1	47	9	0	57	0	149
1:30PM	22	2	29	0	53	1	39	40	0	0	79	2	0	3	1	0	4	2	1	28	9	0	38	0	174
1:45PM	16	1	43	0	60	1	29	29	0	0	58	0	2	2	2	0	6	1	2	26	12	0	40	3	164
Hourly Total	63	3	112	0	178	2	120	132	2	0	254	5	4	7	6	0	17	3	7	138	43	0	188	3	637
2:00PM	9	1	33	0	43	2	37	55	0	0	92	2	0	2	1	0	3	0	1	40	12	0	53	0	191
2:15PM	15	2	39	0	56	0	26	39	0	0	65	0	0	0	2	0	2	0	1	32	12	0	45	0	168
2:30PM	7	1	35	0	43	1	41	37	0	0	78	0	1	2	1	0	4	1	1	35	8	0	44	1	169
2:45PM	22	2	31	0	55	1	34	40	2	0	76	3	2	3	1	0	6	0	3	47	17	0	67	0	204
Hourly Total	53	6	138	0	197	4	138	171	2	0	311	5	3	7	5	0	15	1	6	154	49	0	209	1	732
3:00PM	23	1	39	0	63	0	64	56	1	0	121	0	0	1	0	0	1	2	0	62	15	0	77	1	262
3:15PM	18	2	30	0	50	2	42	39	0	0	81	4	1	3	0	0	4	0	1	45	20	0	66	1	201
3:30PM	13	1	44	0	58	0	43	49	0	0	92	0	2	3	0	0	5	2	0	37	25	0	62	1	217
3:45PM	13	1	26	0	40	1	48	47	2	0	97	0	1	0	1	0	2	0	0	46	17	0	63	0	202
Hourly Total	67	5	139	0	211	3	197	191	3	0	391	4	4	7	1	0	12	4	1	190	77	0	268	3	882
4:00PM	10	1	40	0	51	0	50	40	1	0	91	0	1	4	0	0	5	0	1	53	16	0	70	0	217
4:15PM	13	0	30	0	43	2	46	42	1	0	89	0	1	2	0	0	3	0	0	46	12	0	58	0	193
4:30PM	26	2	44	0	72	1	42	50	0	0	92	0	0	2	2	0	4	0	1	45	11	0	57	0	225
4:45PM	20	1	34	0	55	1	47	58	0	0	105	1	0	1	1	0	2	1	0	34	12	0	46	3	208
Hourly Total	69	4	148	0	221	4	185	190	2	0	377	1	2	9	3	0	14	1	2	178	51	0	231	3	843
5:00PM	15	4	38	0	57	0	33	43	0	0	76	0	1	3	2	0	6	0	0	39	14	0	53	0	192
5:15PM	18	3	28	0	49	0	37	56	0	0	93	1	0	1	0	0	1	1	0	35	15	0	50	2	193
5:30PM	13	5	43	0	61	0	34	42	0	0	76	0	0	1	3	0	4	0	0	42	10	0	52	0	193
5:45PM	19	1	27	0	47	0	31	28	0	0	59	0	0	2	1	0	3	0	1	34	12	0	47	0	156
Hourly Total	65	13	136	0	214	0	135	169	0	0	304	1	1	7	6	0	14	1	1	150	51	0	202	2	734
6:00PM	10	1	32	0	43	0	28	24	0	0	52	0	1	1	0	0	2	0	1	51	11	0	63	0	160
6:15PM	12	1	32	0	45	0	19	20	1	0	40	0	1	1	0	0	2	1	1	28	9	0	38	0	125
6:30PM	19	2	29	0	50	0	14	27	0	0	41	0	0	1	3	0	4	1	0	29	13	0	42	0	137
6:45PM	6	2	22	0	30	0	21	20	0	0	41	0	0	1	0	0	1	0	0	21	7	0	28	0	100
Hourly Total	47	6	115	0	168	0	82	91	1	0	174	0	2	4	3	0	9	2	2	129	40	0	171	0	522
7:00PM	12	2	19	0	33	1	19	20	0	0	39	0	0	0	2	0	2	0	2	13	5	0	20	0	94
7:15PM	7	1	18	0	26	0	24	19	0	0	43	0	1	1	0	0	2	1	0	13	4	0	17	0	88
7:30PM	5	0	20	0	25	0	10	12	0	0	22	0	0	2	1	0	3	0	1	18	6	0	25	1	75
7:45PM	13	1	13	0	27	0	12	18	1	0	31	0	2	0	0	0	2	2	0	18	7	0	25	0	85
Hourly Total	37	4	70	0	111	1	65	69	1	0	135	0	3	3	3	0	9	3	3	62	22	0	87	1	342
8:00PM	6	0	18	0	24	0	12	21	0	0	33	0	0	1	0	0	1	0	1	16	7	0	24	0	82
8:15PM	3	2	14	0	19	2	8	15	0	0	23	0	0	0	1	0	1	2	0	15	2	0	17	2	60
8:30PM	7	2	10	0	19	1	13	13	0	0	26	0	0	0	0	0	0	0	1	12	1	0	14	0	59
8:45PM	3	0	9	0	12	0	8	20	1	0	29	0	1	0	0	0	1	0	0	11	3	0	14	0	56
Hourly Total	19	4	51	0	74	3	41	69	1	0	111	0	1	1	1	0	3	2	2	54	13	0	69	2	257
9:00PM	7	0	16	0	23	0	8	12	0	0	20	0	0	0	1	0	1	0	0	19	5	0	24	0	68
9:15PM	0	0	9	0	9	0	12	11	0	0	23	0	0	0	0	0	0	0	0	7	2	0	9	0	41
9:30PM	0	1	9	0	10	0	9	16	0	0	25	0	0	0	0	0	0	0	1	12	2	0	15	0	50
9:45PM	1	1	11	0	13	0	1	6	0	0	7	0	0	0	0	0	0	0	0	3	1	0	4	0	24
Hourly Total	8	2	45	0	55	0	30	45	0	0	75	0	0	0	1	0	1	0	1	41	10	0	52	0	183
10:00PM	3	0	3	0	6	0	12	7	1	0	20	0	0	0	0	0	0	0	0	9	6	0	15	0	41
10:15PM	3	0	5	0	8	0	7	8	0	0	15	0	0	1	0	0	1	0	0	12	3	0	15	0	39
10:30PM	3	1	6	0	10	0	5	7	0	0	12	0	1	0	1	0	2	0	0	10	2	0	12	0	36
10:45PM	4	1	6	0	11	0	3	6	0	0	9	0	0	0	2	0	2	0	0	9	0	0	9	0	31
Hourly Total	13	2	20	0	35	0	27	28	1	0	56	0	1	1	3	0	5	0	0	40	11	0	51	0	147
11:00PM	0	1	4	0	5	0	3	4	0	0	7	0	0	0	0	0	0	0	0	10	0	0	10	0	22
11:15PM	2	1	6	0	9	0	3	3	0	0	6	0	0	0	0	0	0	0	0	7	1	0	8	0	23
11:30PM	1	0	6	0	7	0	1	6	1	0	8	0	0	0	0	0	0	0	0	5	1	0	6	0	21
11:45PM	1	1	12	0	14	1	4	6	0	0	10	0	0	0	0	0	0	1	0	7	0	0	7	1	31
Hourly Total	4	3	28	0	35	1	11	19	1	0	31	0	0	0	0	0	0	1	0	29	2	0	31	1	97
Total	841	75	1613	0	2529	32	1794	2050	26	0	3870	24	39	83	46	0	168	37	43	1933	589	0	2565	26	9132
% Approach	33.3%	3.0%	63.8%	0%	-	-	46.4%	53.0%	0.7%	0%	-	-	23.2%	49.4%	27.4%	0%	-	-	1.7%	75.4%	23.0%	0%	-	-	-
% Total	9.2%	0.8%	17.7%	0%	27.7%	-	19.6%	22.4%	0.3%	0%	42.4%	-	0.4%	0.9%	0.5%	0%	1.8%	-	0.5%	21.2%	6.4%	0%	28.1%	-	-
Lights	825	75	1585	0	2485	-	1744	2003	26	0	3773	-	39	81	45	0	165	-	43	1877	567	0	2487	-	8910

Leg Direction	E 9th Street Southwestbound						Cypress Street Northwestbound						E 9th Street Northeastbound						Cypress Street Southeastbound						
Time	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	Int
% Lights	98.1%	100%	98.3%	0%	98.3%	-	97.2%	97.7%	100%	0%	97.5%	-	100%	97.6%	97.8%	0%	98.2%	-	100%	97.1%	96.3%	0%	97.0%	-	97.6%
Articulated Trucks	4	0	4	0	8	-	5	19	0	0	24	-	0	0	1	0	1	-	0	22	2	0	24	-	57
% Articulated Trucks	0.5%	0%	0.2%	0%	0.3%	-	0.3%	0.9%	0%	0%	0.6%	-	0%	0%	2.2%	0%	0.6%	-	0%	1.1%	0.3%	0%	0.9%	-	0.6%
Buses and Single-Unit Trucks	12	0	24	0	36	-	45	28	0	0	73	-	0	2	0	0	2	-	0	34	20	0	54	-	165
% Buses and Single-Unit Trucks	1.4%	0%	1.5%	0%	1.4%	-	2.5%	1.4%	0%	0%	1.9%	-	0%	2.4%	0%	0%	1.2%	-	0%	1.8%	3.4%	0%	2.1%	-	1.8%
Pedestrians	-	-	-	-	-	28	-	-	-	-	-	22	-	-	-	-	-	35	-	-	-	-	-	24	
% Pedestrians	-	-	-	-	-	87.5%	-	-	-	-	-	91.7%	-	-	-	-	-	94.6%	-	-	-	-	-	92.3%	-
Bicycles on Crosswalk	-	-	-	-	-	4	-	-	-	-	-	2	-	-	-	-	-	2	-	-	-	-	-	2	
% Bicycles on Crosswalk	-	-	-	-	-	12.5%	-	-	-	-	-	8.3%	-	-	-	-	-	5.4%	-	-	-	-	-	7.7%	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

Cypress Street & E 9th Street - TMC

Thu Dec 10, 2020

Full Length (12 AM-12 AM (+1))

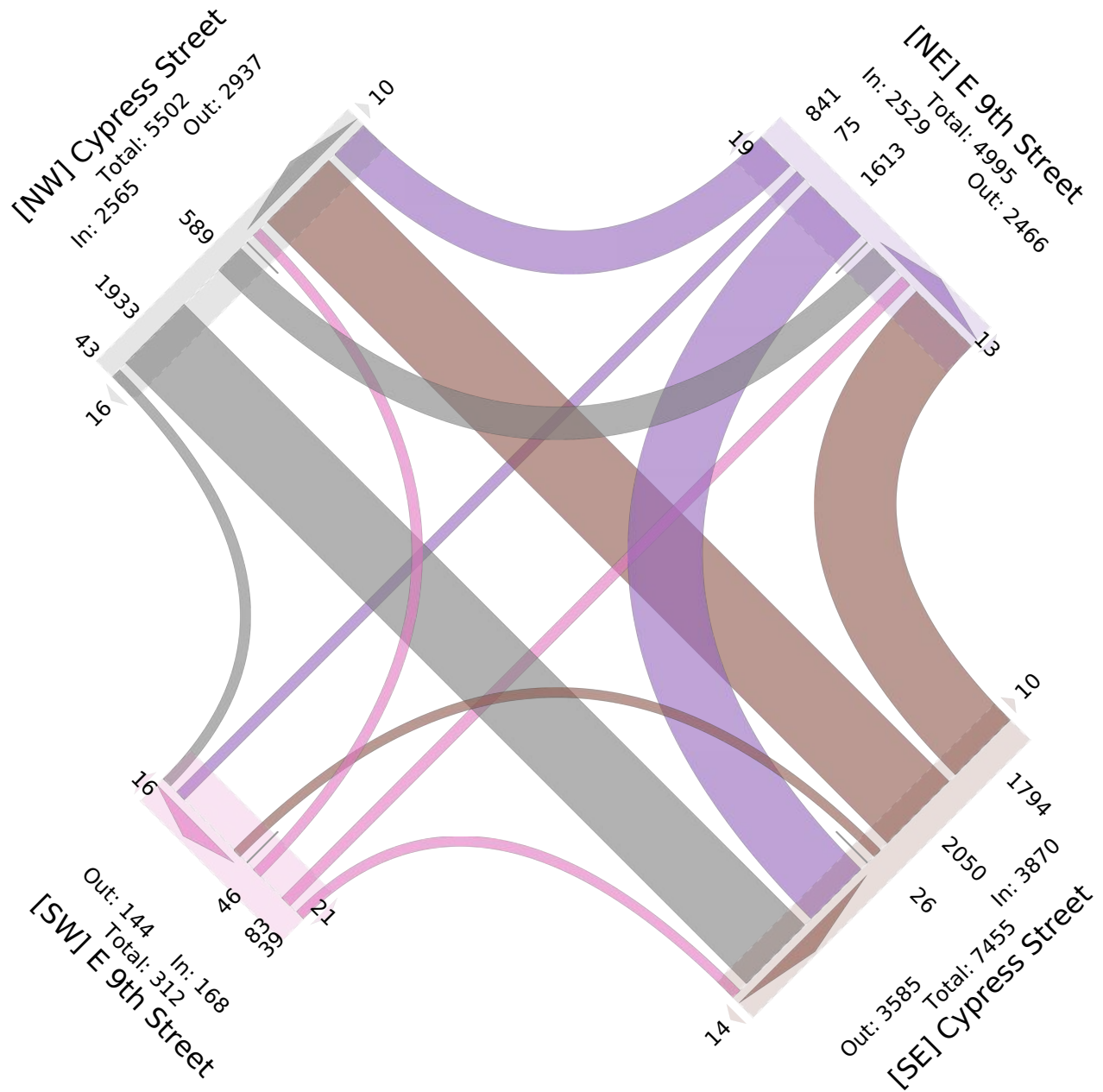
All Classes (Lights, Articulated Trucks, Buses and
Single-Unit Trucks, Pedestrians, Bicycles on Crosswalk)

All Movements

ID: 804795, Location: 41.432196, -91.041653

SHIVEHATTERY
ARCHITECTURE + ENGINEERING

Provided by: Shive-Hattery
222 Third Avenue SE, Suite 300, Cedar Rapids, IA, 52401, US



Cypress Street & E 9th Street - TMC

Thu Dec 10, 2020

AM Peak (Dec 10 2020 7:30AM - 8:30 AM)

All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians, Bicycles on Crosswalk)

All Movements

ID: 804795, Location: 41.432196, -91.041653



Provided by: Shive-Hattery
222 Third Avenue SE, Suite 300, Cedar Rapids, IA, 52401, US

Leg Direction	E 9th Street Southwestbound						Cypress Street Northwestbound						E 9th Street Northeastbound						Cypress Street Southeastbound						
Time	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	Int
2020-12-10 7:30AM	28	0	23	0	51	0	26	32	0	0	58	0	0	2	0	0	2	0	1	20	10	0	31	0	142
7:45AM	35	0	17	0	52	0	41	35	0	0	76	0	0	1	0	0	1	0	1	24	11	0	36	0	165
8:00AM	23	1	20	0	44	0	25	30	0	0	55	0	0	1	0	0	1	3	0	34	7	0	41	4	141
8:15AM	8	0	24	0	32	0	28	28	0	0	56	0	0	1	0	0	1	0	1	26	12	0	39	0	128
Total	94	1	84	0	179	0	120	125	0	0	245	0	0	5	0	0	5	3	3	104	40	0	147	4	576
% Approach	52.5%	0.6%	46.9%	0%	-	-	49.0%	51.0%	0%	0%	-	-	0%	100%	0%	0%	-	-	2.0%	70.7%	27.2%	0%	-	-	-
% Total	16.3%	0.2%	14.6%	0%	31.1%	-	20.8%	21.7%	0%	0%	42.5%	-	0%	0.9%	0%	0%	0.9%	-	0.5%	18.1%	6.9%	0%	25.5%	-	-
PHF	0.671	0.250	0.875	-	0.861	-	0.732	0.893	-	-	0.806	-	-	0.625	-	-	0.625	-	0.750	0.765	0.833	-	0.896	-	0.873
Lights	93	1	82	0	176	-	116	121	0	0	237	-	0	5	0	0	5	-	3	96	40	0	139	-	557
% Lights	98.9%	100%	97.6%	0%	98.3%	-	96.7%	96.8%	0%	0%	96.7%	-	0%	100%	0%	0%	100%	-	100%	92.3%	100%	0%	94.6%	-	96.7%
Articulated Trucks	1	0	0	0	1	-	0	1	0	0	1	-	0	0	0	0	0	-	0	1	0	0	1	-	3
% Articulated Trucks	1.1%	0%	0%	0%	0.6%	-	0%	0.8%	0%	0%	0.4%	-	0%	0%	0%	0%	0%	-	0%	1.0%	0%	0%	0.7%	-	0.5%
Buses and Single-Unit Trucks	0	0	2	0	2	-	4	3	0	0	7	-	0	0	0	0	0	-	0	7	0	0	7	-	16
% Buses and Single-Unit Trucks	0%	0%	2.4%	0%	1.1%	-	3.3%	2.4%	0%	0%	2.9%	-	0%	0%	0%	0%	0%	-	0%	6.7%	0%	0%	4.8%	-	2.8%
Pedestrians	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	3	-	-	-	-	-	4	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100%	-	-	-	-	-	100%	-
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-	-	-	-	0%	-

* Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

Cypress Street & E 9th Street - TMC

Thu Dec 10, 2020

AM Peak (Dec 10 2020 7:30AM - 8:30 AM)

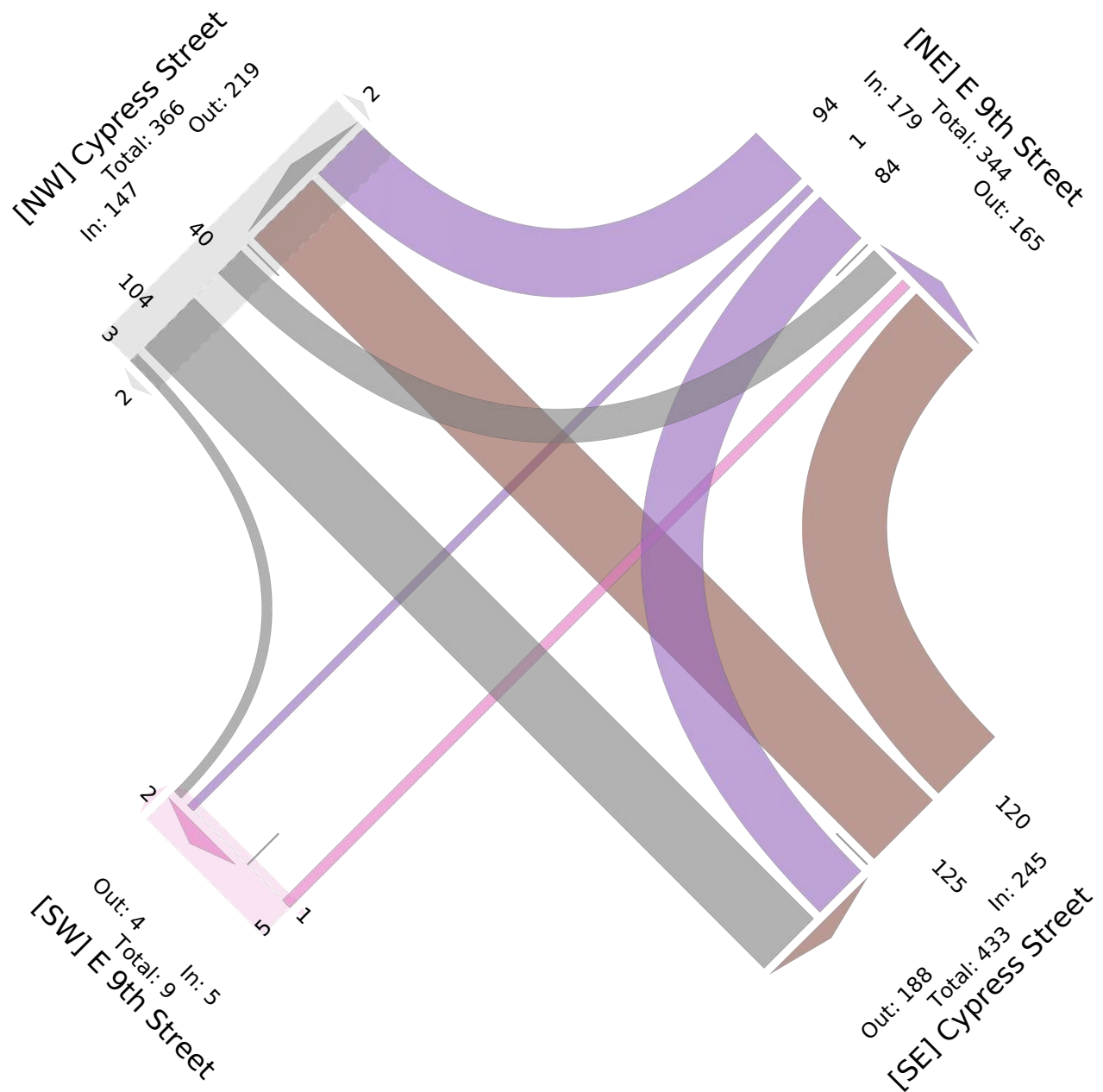
All Classes (Lights, Articulated Trucks, Buses and
Single-Unit Trucks, Pedestrians, Bicycles on Crosswalk)

All Movements

ID: 804795, Location: 41.432196, -91.041653

SHIVEHATTERY
ARCHITECTURE + ENGINEERING

Provided by: Shive-Hattery
222 Third Avenue SE, Suite 300, Cedar Rapids, IA, 52401, US



Cypress Street & E 9th Street - TMC

Thu Dec 10, 2020

Midday Peak (Dec 10 2020 12PM - 1 PM)

All Classes (Lights, Articulated Trucks, Buses and Single-Unit

Trucks, Pedestrians, Bicycles on Crosswalk)

All Movements

ID: 804795, Location: 41.432196, -91.041653



Provided by: Shive-Hattery

222 Third Avenue SE, Suite 300, Cedar Rapids, IA, 52401, US

Leg Direction	E 9th Street Southwestbound						Cypress Street Northwestbound						E 9th Street Northeastbound						Cypress Street Southeastbound						
Time	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	Int
2020-12-10 12:00PM	17	1	23	0	41	0	21	34	0	0	55	0	2	2	1	0	5	0	0	37	9	0	46	0	147
12:15PM	15	2	27	0	44	0	28	35	1	0	64	0	2	2	1	0	5	0	1	34	10	0	45	0	158
12:30PM	18	2	27	0	47	1	27	22	0	0	49	0	0	2	0	0	2	2	1	32	8	0	41	0	139
12:45PM	18	1	38	0	57	0	28	45	1	0	74	1	1	2	1	0	4	1	0	31	13	0	44	0	179
Total	68	6	115	0	189	1	104	136	2	0	242	1	5	8	3	0	16	3	2	134	40	0	176	0	623
% Approach	36.0%	3.2%	60.8%	0%	-	-	43.0%	56.2%	0.8%	0%	-	-	31.3%	50.0%	18.8%	0%	-	-	1.1%	76.1%	22.7%	0%	-	-	-
% Total	10.9%	1.0%	18.5%	0%	30.3%	-	16.7%	21.8%	0.3%	0%	38.8%	-	0.8%	1.3%	0.5%	0%	2.6%	-	0.3%	21.5%	6.4%	0%	28.3%	-	-
PHF	0.944	0.750	0.757	-	0.829	-	0.929	0.756	0.500	-	0.818	-	0.625	1.000	0.750	-	0.800	-	0.500	0.905	0.769	-	0.957	-	0.870
Lights	67	6	112	0	185	-	100	133	2	0	235	-	5	8	3	0	16	-	2	129	39	0	170	-	606
% Lights	98.5%	100%	97.4%	0%	97.9%	-	96.2%	97.8%	100%	0%	97.1%	-	100%	100%	100%	0%	100%	-	100%	96.3%	97.5%	0%	96.6%	-	97.3%
Articulated Trucks	0	0	0	0	0	-	0	1	0	0	1	-	0	0	0	0	0	-	0	3	0	0	3	-	4
% Articulated Trucks	0%	0%	0%	0%	0%	-	0%	0.7%	0%	0%	0.4%	-	0%	0%	0%	0%	0%	-	0%	2.2%	0%	0%	1.7%	-	0.6%
Buses and Single-Unit Trucks	1	0	3	0	4	-	4	2	0	0	6	-	0	0	0	0	0	-	0	2	1	0	3	-	13
% Buses and Single-Unit Trucks	1.5%	0%	2.6%	0%	2.1%	-	3.8%	1.5%	0%	0%	2.5%	-	0%	0%	0%	0%	0%	-	0%	1.5%	2.5%	0%	1.7%	-	2.1%
Pedestrians	-	-	-	-	-	0	-	-	-	-	-	1	-	-	-	-	-	3	-	-	-	-	-	0	-
% Pedestrians	-	-	-	-	-	0%	-	-	-	-	-	100%	-	-	-	-	-	100%	-	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	-	1	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	-	100%	-	-	-	-	-	0%	-	-	-	-	-	0%	-	-	-	-	-	-	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

Cypress Street & E 9th Street - TMC

Thu Dec 10, 2020

Midday Peak (Dec 10 2020 12PM - 1 PM)

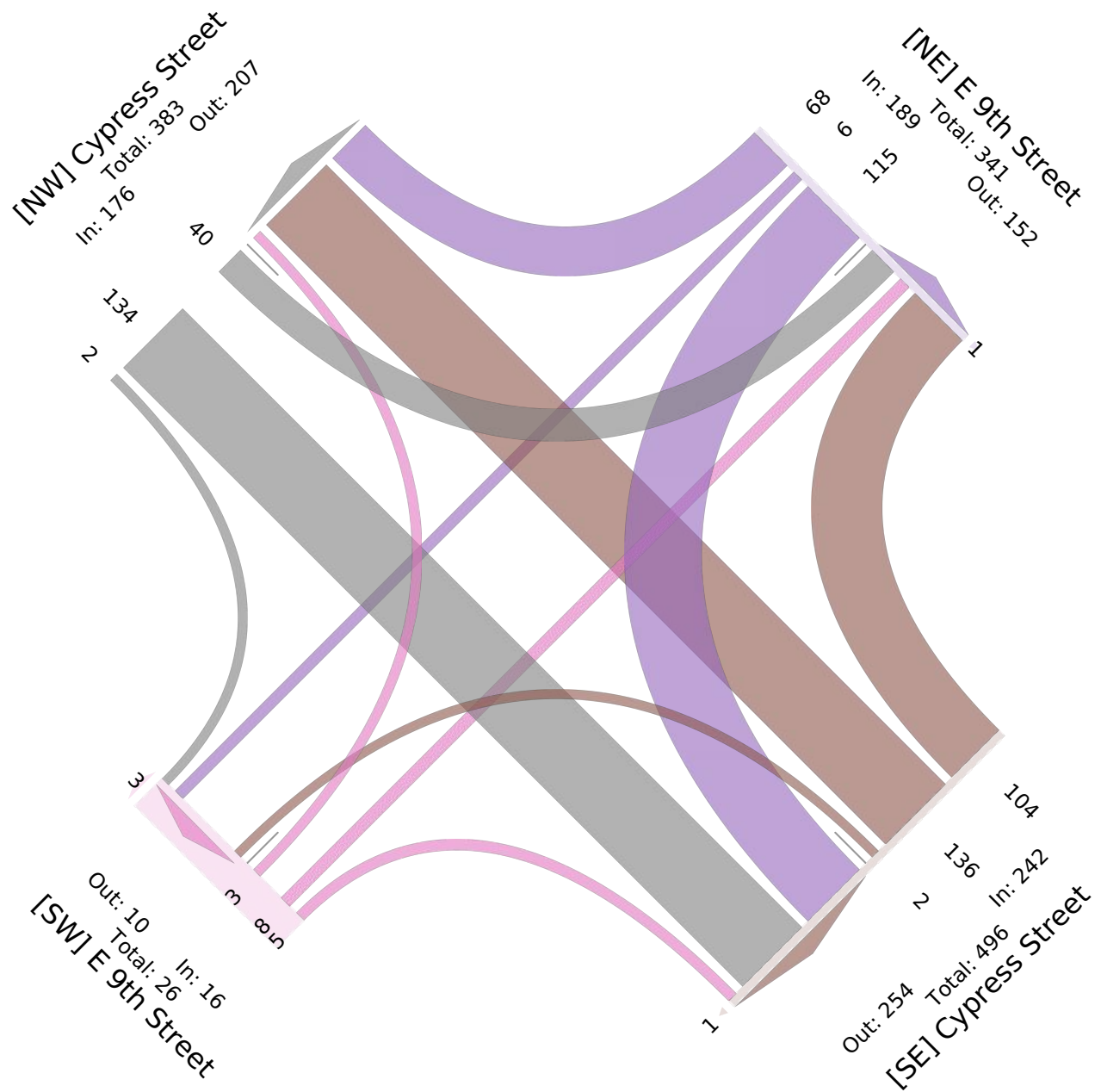
All Classes (Lights, Articulated Trucks, Buses and
Single-Unit Trucks, Pedestrians, Bicycles on Crosswalk)

All Movements

ID: 804795, Location: 41.432196, -91.041653

SHIVEHATTERY
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Cypress Street & E 9th Street - TMC

Thu Dec 10, 2020

PM Peak (Dec 10 2020 2:45PM - 3:45 PM) - Overall Peak Hour

All Classes (Lights, Articulated Trucks, Buses and Single-Unit

Trucks, Pedestrians, Bicycles on Crosswalk)

All Movements

ID: 804795, Location: 41.432196, -91.041653

Provided by: Shive-Hattery

222 Third Avenue SE, Suite 300, Cedar Rapids, IA, 52401, US

Leg Direction	E 9th Street Southwestbound						Cypress Street Northwestbound						E 9th Street Northeastbound						Cypress Street Southeastbound						
Time	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	Int
2020-12-10 2:45PM	22	2	31	0	55	1	34	40	2	0	76	3	2	3	1	0	6	0	3	47	17	0	67	0	204
3:00PM	23	1	39	0	63	0	64	56	1	0	121	0	0	1	0	0	1	2	0	62	15	0	77	1	262
3:15PM	18	2	30	0	50	2	42	39	0	0	81	4	1	3	0	0	4	0	1	45	20	0	66	1	201
3:30PM	13	1	44	0	58	0	43	49	0	0	92	0	2	3	0	0	5	2	0	37	25	0	62	1	217
Total	76	6	144	0	226	3	183	184	3	0	370	7	5	10	1	0	16	4	4	191	77	0	272	3	884
% Approach	33.6%	2.7%	63.7%	0%	-	-	49.5%	49.7%	0.8%	0%	-	-	31.3%	62.5%	6.3%	0%	-	-	1.5%	70.2%	28.3%	0%	-	-	-
% Total	8.6%	0.7%	16.3%	0%	25.6%	-	20.7%	20.8%	0.3%	0%	41.9%	-	0.6%	1.1%	0.1%	0%	1.8%	-	0.5%	21.6%	8.7%	0%	30.8%	-	-
PHF	0.826	0.750	0.818	-	0.897	-	0.715	0.821	0.375	-	0.764	-	0.625	0.833	0.250	-	0.667	-	0.333	0.770	0.770	-	0.883	-	0.844
Lights	75	6	143	0	224	-	180	180	3	0	363	-	5	10	1	0	16	-	4	187	71	0	262	-	865
% Lights	98.7%	100%	99.3%	0%	99.1%	-	98.4%	97.8%	100%	0%	98.1%	-	100%	100%	100%	0%	100%	-	100%	97.9%	92.2%	0%	96.3%	-	97.9%
Articulated Trucks	0	0	0	0	0	-	0	1	0	0	1	-	0	0	0	0	0	-	0	1	0	0	1	-	2
% Articulated Trucks	0%	0%	0%	0%	0%	-	0%	0.5%	0%	0%	0.3%	-	0%	0%	0%	0%	0%	-	0%	0.5%	0%	0%	0.4%	-	0.2%
Buses and Single-Unit Trucks	1	0	1	0	2	-	3	3	0	0	6	-	0	0	0	0	0	-	0	3	6	0	9	-	17
% Buses and Single-Unit Trucks	1.3%	0%	0.7%	0%	0.9%	-	1.6%	1.6%	0%	0%	1.6%	-	0%	0%	0%	0%	0%	-	0%	1.6%	7.8%	0%	3.3%	-	1.9%
Pedestrians	-	-	-	-	-	3	-	-	-	-	-	5	-	-	-	-	-	4	-	-	-	-	-	3	
% Pedestrians	-	-	-	-	-	100%	-	-	-	-	-	71.4%	-	-	-	-	-	100%	-	-	-	-	-	100%	-
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	2	-	-	-	-	-	0	-	-	-	-	-	0	
% Bicycles on Crosswalk	-	-	-	-	-	0%	-	-	-	-	-	28.6%	-	-	-	-	-	0%	-	-	-	-	-	0%	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

Cypress Street & E 9th Street - TMC

Thu Dec 10, 2020

PM Peak (Dec 10 2020 2:45PM - 3:45 PM) - Overall

Peak Hour

All Classes (Lights, Articulated Trucks, Buses and
Single-Unit Trucks, Pedestrians, Bicycles on Crosswalk)

All Movements

ID: 804795, Location: 41.432196, -91.041653

SHIVEHATTERY
ARCHITECTURE + ENGINEERING

Provided by: Shive-Hattery
222 Third Avenue SE, Suite 300, Cedar Rapids, IA, 52401, US

